

MERIDIAN LAKE

KING COUNTY

WRIA 09

T22N-R05E-27

LATITUDE 47° 21' 30" LONGITUDE 122° 08' 43"

PHYSICAL DATA

Drainage area	1.16 mi ²
Altitude	370 ft
Lake Area	150 acres
Lake Volume	6,100 acre-ft
Mean Depth	41 ft
Maximum Depth	90 ft
Shoreline Length	2.5 mi
Shoreline Configuration	1.4
Development of Volume	0.45
Bottom Slope	3.1 pct
Surface Inflow	Yes
Surface Outflow	Yes

CULTURAL DATA

Residential Development	95	pct
Number of Nearshore Homes	112	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	25	pct
Agricultural	55	pct
Forest or Unproductive	0	pct
Lake Surface	20	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 15, 1981

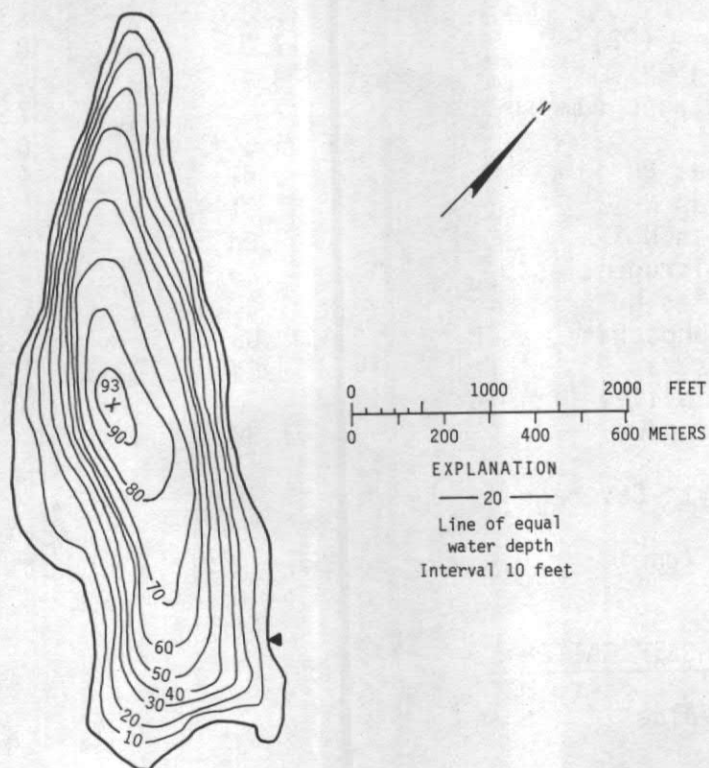
Depth (ft)	3	78
Water Temperature (°C)	18.0	6.3
Dissolved Oxygen	10.0	0.2
Specific Conductance (umho)	99	90
pH (units)	6.7	6.5
Total Nitrate, as N	0.00	.00
Total Nitrite, as N	.00	.01
Total Ammonia, as N	.05	.10
Total Organic Nitrogen, as N	.48	.29
Total Nitrogen, as N	.53	.39
Dissolved Orthophosphate, as P	.01	.02
Total Phosphorus, as P	.02	.04
Secchi-Disc Visibility (ft)	17	
Chlorophyll <u>a</u> (ug/L)	1.72	--
Aquatic Macrophyte Coverage		
Littoral Zone	95	pct
Water-Surface Zone	1	pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value 59

Trophic State Index (Carlson, 1977)

TSI _{SD}	36
TSI _{TP}	47
TSI _{Chl}	36



Meridian (22N-5E-27) Lake, King County. Photo taken June 15, 1981, view northwesterly. Bathymetric map from Washington Department of Game, June 16, 1950.

MUD LAKE

KING COUNTY

WRIA 07

T25N-R08E-11

LATITUDE 47° 39' 30" LONGITUDE 121° 44' 30"

PHYSICAL DATA

Drainage area	0.69 mi ²
Altitude	1,320 ft
Lake Area	15 acres
Lake Volume	212 acre-ft
Mean Depth	14 ft
Maximum Depth	37 ft
Shoreline Length	0.64 mi
Shoreline Configuration	1.2
Development of Volume	0.38
Bottom Slope	4.0 pct
Surface Inflow	No
Surface Outflow	No

CULTURAL DATA

Residential Development	0	pct
Number of Nearshore Homes	0	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	0	pct
Agricultural	0	pct
Forest or Unproductive	97	pct
Lake Surface	3	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

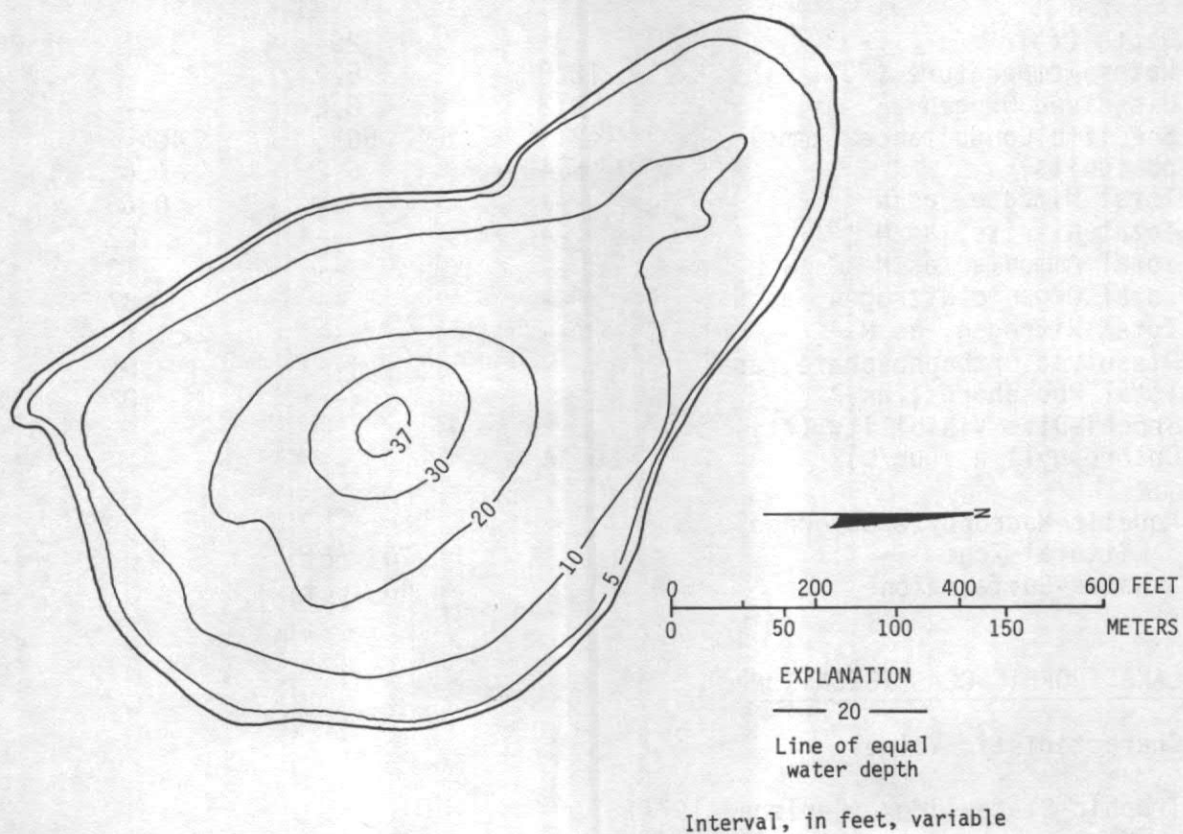
Date

June 29, 1981

Depth (ft)	3	30
Water Temperature (°C)	17.8	8.0
Dissolved Oxygen	8.9	4.4
Specific Conductance (umho)	37	37
pH (units)	6.6	6.2
Total Nitrate, as N	0.61	0.55
Total Nitrite, as N	.01	.01
Total Ammonia, as N	.06	.07
Total Organic Nitrogen, as N	.65	.77
Total Nitrogen, as N	1.3	1.4
Dissolved Orthophosphate, as P	.03	.05
Total Phosphorus, as P	.04	.07
Secchi-Disc Visibility (ft)	18	
Chlorophyll <u>a</u> (ug/L)	1.82	--
Aquatic Macrophyte Coverage		
Littoral Zone	60	pct
Water-Surface Zone	1	pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	76
Trophic State Index (Carlson, 1977)	
TSI _{SD}	35
TSI _{TP}	57
TSI _{Chl}	36



Mud (25N-8E-11) Lake, King County. Photo taken June 29, 1981, view westerly. Bathymetric map from U.S. Geological Survey, July 7, 1981.

NEILSON (HOLM) LAKE

KING COUNTY

WRIA 09

T21N-R05E-14

LATITUDE 47° 18' 04" LONGITUDE 122° 07' 19"

PHYSICAL DATA

Drainage area	0.29 mi ²
Altitude	395 ft
Lake Area	19 acres
Lake Volume	340 acre-ft
Mean Depth	18 ft
Maximum Depth	31 ft
Shoreline Length	0.86 mi
Shoreline Configuration	1.4
Development of Volume	0.57
Bottom Slope	3.0 pct
Surface Inflow	No
Surface Outflow	Yes

CULTURAL DATA

Residential Development	40	pct
Number of Nearshore Homes	17	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	5	pct
Agricultural	16	pct
Forest or Unproductive	69	pct
Lake Surface	10	pct

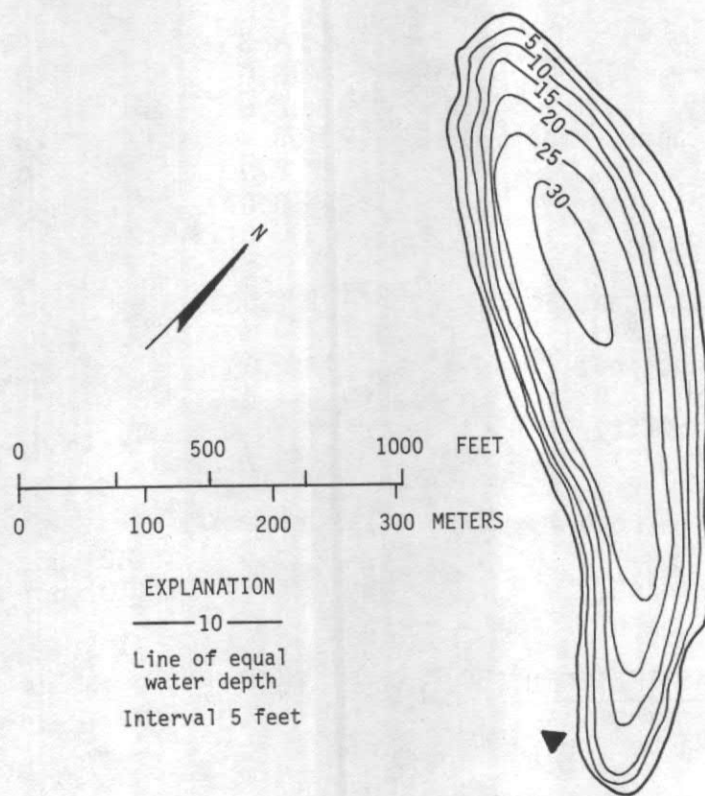
Public Boat Access to Lake Yes

WATER-QUALITY DATA (in mg/L unless otherwise indicated)

Date	June 11, 1981		September 17, 1981	
Depth (ft)	3	29	3	28
Water Temperature (°C)	18.0	5.2	23.5	7.2
Dissolved Oxygen	9.2	0.2	--	--
Specific Conductance (umho)	42	56	40	53
pH (units)	6.4	6.2	6.4	6.2
Total Nitrate, as N	--	--	<0.08	<0.07
Total Nitrite, as N	--	--	.02	.03
Total Ammonia, as N	--	--	.13	.67
Total Organic Nitrogen, as N	--	--	.87	.83
Total Nitrogen, as N	--	--	<1.1	<1.6
Dissolved Orthophosphate, as P	--	--	.01	.02
Total Phosphorus, as P	--	--	.02	.02
Secchi-Disc Visibility (ft)		7		6
Chlorophyll <u>a</u> (ug/L)	10.34	--	--	--
Aquatic Macrophyte Coverage				
Littoral Zone		70 pct		-- pct
Water-Surface Zone		40 pct		-- pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	--	172
Trophic State Index (Carlson, 1977)		
TSI _{SD}	49	53
TSI _{TP}	--	47
TSI _{Chl}	53	--



Neilson (Holm) Lake, King County. Photo taken June 11, 1981, view northwesterly.
Bathymetric map from Washington Department of Game, September 18, 1951.

OTTER (SPRING) LAKE

KING COUNTY

WRIA 08

T23N-R06E-31

LATITUDE 47° 25' 56" LONGITUDE 122° 05' 07"

PHYSICAL DATA

Drainage area	0.70 mi ²
Altitude	495 ft
Lake Area	68 acres
Lake Volume	1,300 acre-ft
Mean Depth	19 ft
Maximum Depth	32 ft
Shoreline Length	1.5 mi
Shoreline Configuration	1.3
Development of Volume	0.59
Bottom Slope	1.6 pct
Surface Inflow	No
Surface Outflow	Yes

CULTURAL DATA

Residential Development	70	pct
Number of Nearshore Homes	44	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	8	pct
Agricultural	0	pct
Forest or Unproductive	77	pct
Lake Surface	15	pct

Public Boat Access to Lake Yes

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 26, 1981

Depth (ft)	3	13
Water Temperature (°C)	19.0	8.8
Dissolved Oxygen	10.0	0.1
Specific Conductance (umho)	63	72
pH (units)	7.0	6.5
Total Nitrate, as N	0.07	.05
Total Nitrite, as N	.01	.02
Total Ammonia, as N	.11	.31
Total Organic Nitrogen, as N	.60	.57
Total Nitrogen, as N	.79	.95
Dissolved Orthophosphate, as P	.00	.00
Total Phosphorus, as P	.03	.05
Secchi-Disc Visibility (ft)	10	
Chlorophyll <u>a</u> (ug/L)	5.76	--

Aquatic Macrophyte Coverage

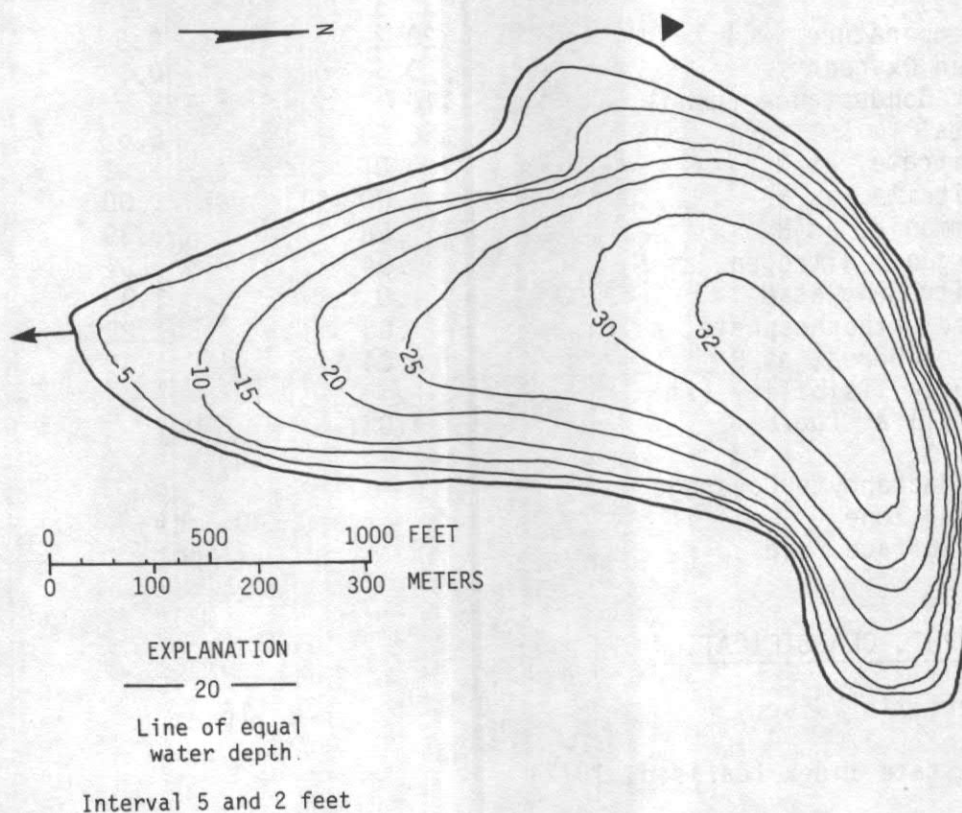
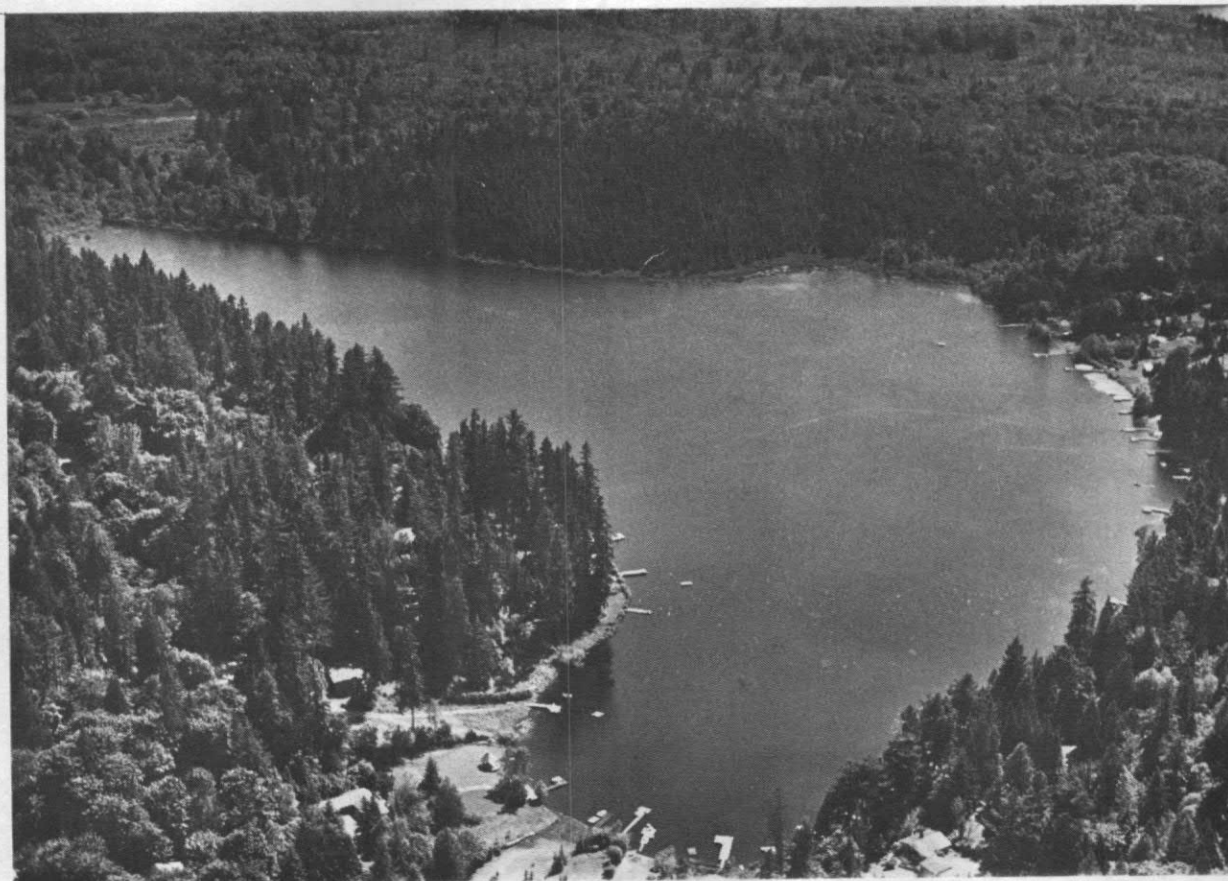
Littoral Zone	40	pct
Water-Surface Zone	10	pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value 98

Trophic State Index (Carlson, 1977)

TSI _{SD}	44
TSI _{TP}	53
TSI _{Chl}	48



Otter (Spring) (23N-6E-31) Lake , King County. Photo taken June 24, 1981, view southwesterly. Bathymetric map from Washington Department of Game, July 27, 1950.

PHANTOM LAKE

KING COUNTY

WRIA 08

T24N-R05E-02

LATITUDE 47° 35' 27" LONGITUDE 122° 07' 31"

PHYSICAL DATA

Drainage area	1.94 mi ²
Altitude	240 ft
Lake Area	67 acres
Lake Volume	1,400 acre-ft
Mean Depth	21 ft
Maximum Depth	45 ft
Shoreline Length	1.4 mi
Shoreline Configuration	1.2
Development of Volume	0.46
Bottom Slope	2.3 pct
Surface Inflow	Yes
Surface Outflow	Yes

CULTURAL DATA

Residential Development	70	pct
Number of Nearshore Homes	49	
Land Use in Drainage Basin		
Residential-Urban	47	pct
Residential-Suburban	16	pct
Agricultural	18	pct
Forest or Unproductive	14	pct
Lake Surface	5	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

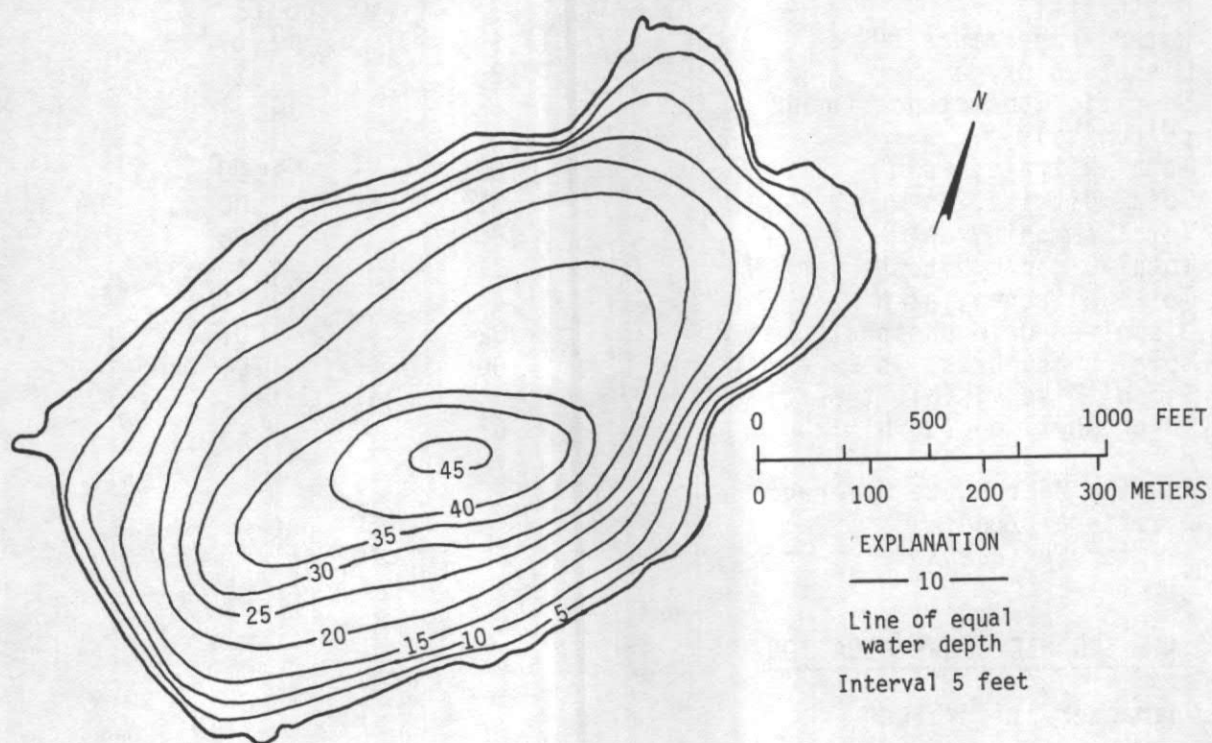
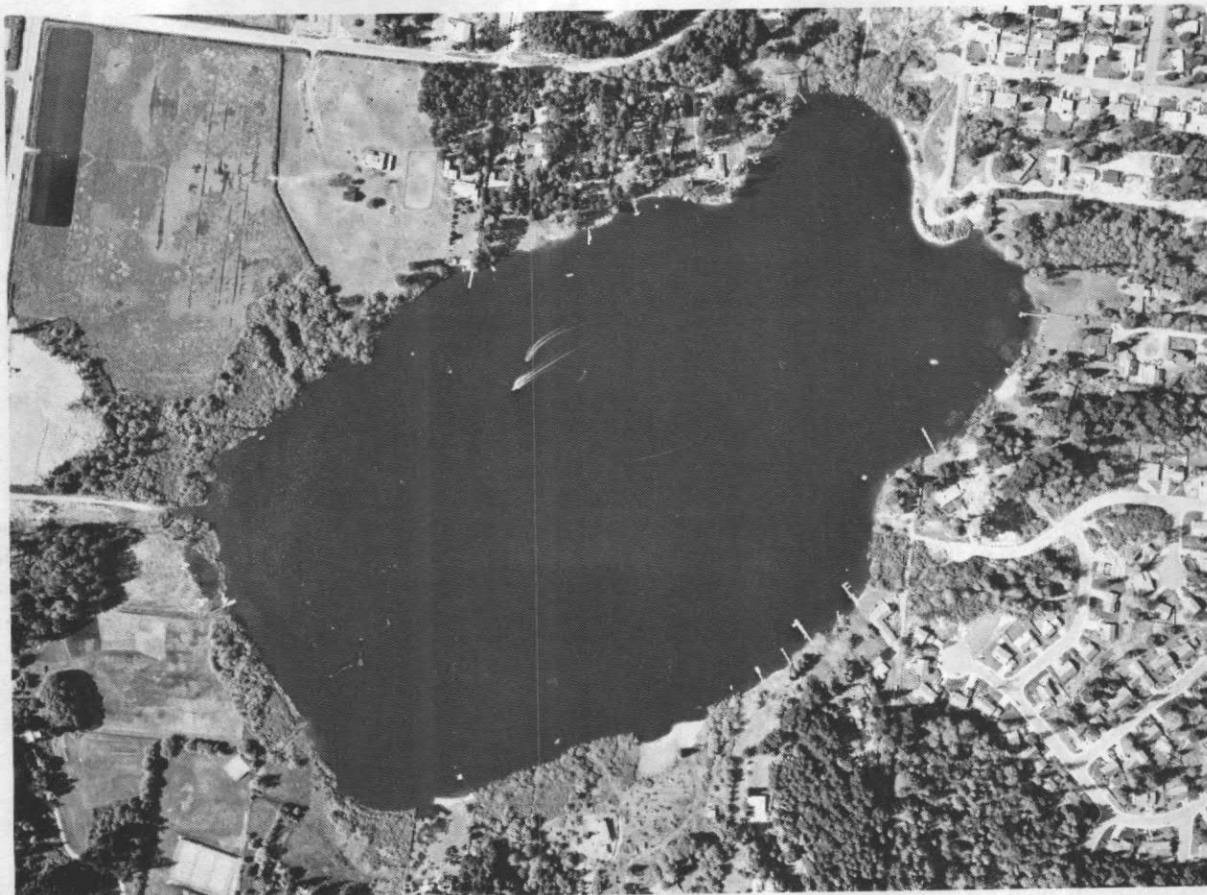
Date

June 29, 1981

Depth (ft)	3	31
Water Temperature (°C)	20.2	9.5
Dissolved Oxygen	9.5	0.1
Specific Conductance (umho)	110	123
pH (units)	6.6	6.6
Total Nitrate, as N	0.01	.01
Total Nitrite, as N	.00	.00
Total Ammonia, as N	.06	.39
Total Organic Nitrogen, as N	.94	.91
Total Nitrogen, as N	1.0	1.3
Dissolved Orthophosphate, as P	.03	.22
Total Phosphorus, as P	.04	.30
Secchi-Disc Visibility (ft)		13
Chlorophyll <u>a</u> (ug/L)	4.03	--
Aquatic Macrophyte Coverage		
Littoral Zone		40 pct
Water-Surface Zone		1 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	116
Trophic State Index (Carlson, 1977)	
TSI _{SD}	40
TSI _{TP}	57
TSI _{Chl}	44



Phantom Lake, King County. Photo taken May 13, 1977.
Bathymetric map from U.S. Geological Survey, July 12, 1973.

PIPE LAKE

KING COUNTY

WRIA 09

T22N-R06E-28

LATITUDE 47° 21' 58" LONGITUDE 122° 03' 06"

PHYSICAL DATA

Drainage area	0.49 mi ²
Altitude	550 ft
Lake Area	55 acres
Lake Volume	1,500 acre-ft
Mean Depth	27 ft
Maximum Depth	65 ft
Shoreline Length	1.7 mi
Shoreline Configuration	1.6
Development of Volume	0.41
Bottom Slope	13 pct
Surface Inflow	No
Surface Outflow	Yes

CULTURAL DATA

Residential Development	90	pct
Number of Nearshore Homes	71	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	14	pct
Agricultural	0	pct
Forest or Unproductive	68	pct
Lake Surface	18	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 15, 1981

Depth (ft)	3	61
Water Temperature (°C)	17.9	5.6
Dissolved Oxygen	10.2	0.2
Specific Conductance (umho)	73	81
pH (units)	7.0	6.6
Total Nitrate, as N	0.00	.00
Total Nitrite, as N	.01	.00
Total Ammonia, as N	.06	.06
Total Organic Nitrogen, as N	.37	1.6
Total Nitrogen, as N	.44	1.71
Dissolved Orthophosphate, as P	.02	.01
Total Phosphorus, as P	.06	.04
Secchi-Disc Visibility (ft)		11
Chlorophyll <u>a</u> (ug/L)	3.67	--

Aquatic Macrophyte Coverage

Littoral Zone

80 pct

Water-Surface Zone

<10 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

86

Trophic State Index (Carlson, 1977)

TSISD

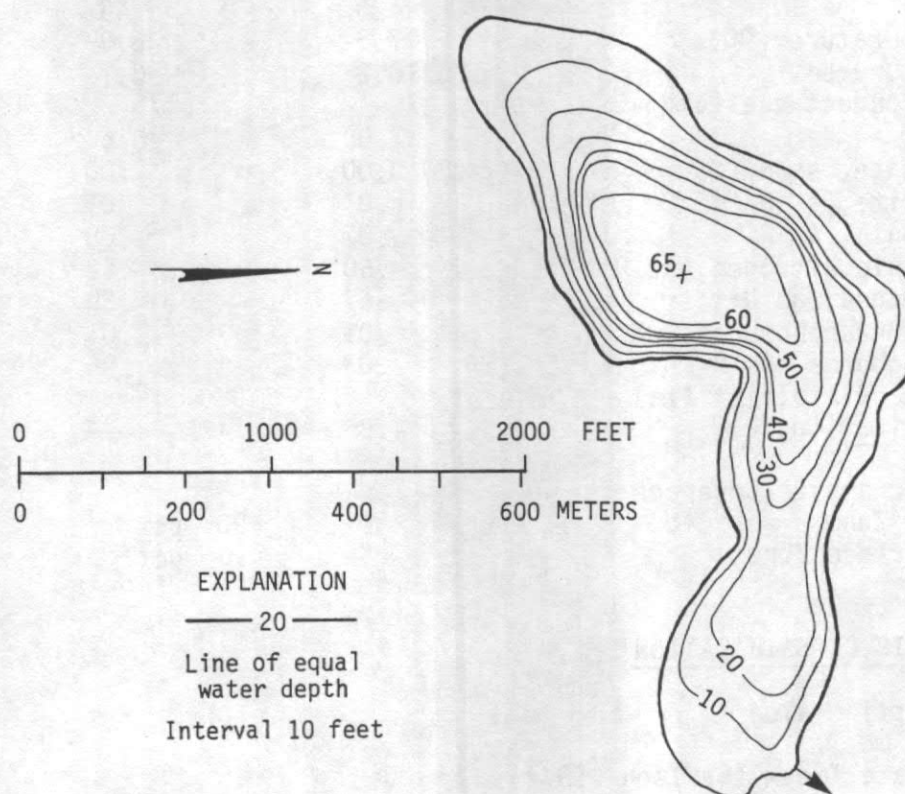
43

TSITP

63

TSICh1

43



Pipe Lake, King County. Photo taken June 15, 1981, view northwesterly.
Bathymetric map from Washington Department of Game, February 3, 1955.

SHADOW LAKE

KING COUNTY

WRIA 09

T22N-R06E-07

LATITUDE 47° 24' 08" LONGITUDE 122° 04' 58"

PHYSICAL DATA

Drainage area	0.71 mi ²
Altitude	540 ft
Lake Area	49 acres
Lake Volume	1,100 acre-ft
Mean Depth	22 ft
Maximum Depth	45 ft
Shoreline Length	1.2 mi
Shoreline Configuration	1.2
Development of Volume	0.49
Bottom Slope	2.7 pct
Surface Inflow	Yes
Surface Outflow	No

CULTURAL DATA

Residential Development	30	pct
Number of Nearshore Homes	17	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	8	pct
Agricultural	23	pct
Forest or Unproductive	58	pct
Lake Surface	11	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 15, 1981

Depth (ft)	3	43
Water Temperature (°C)	17.6	6.3
Dissolved Oxygen	10.2	0.1
Specific Conductance (umho)	70	75
pH (units)	7.0	6.6
Total Nitrate, as N	0.00	.00
Total Nitrite, as N	.01	.01
Total Ammonia, as N	.07	.08
Total Organic Nitrogen, as N	.50	.42
Total Nitrogen, as N	.57	.50
Dissolved Orthophosphate, as P	.01	.01
Total Phosphorus, as P	.03	.06
Secchi-Disc Visibility (ft)		9
Chlorophyll <u>a</u> (ug/L)	4.86	--

Aquatic Macrophyte Coverage

Littoral Zone

90 pct

Water-Surface Zone

10 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

101

Trophic State Index (Carlson, 1977)

TSISD

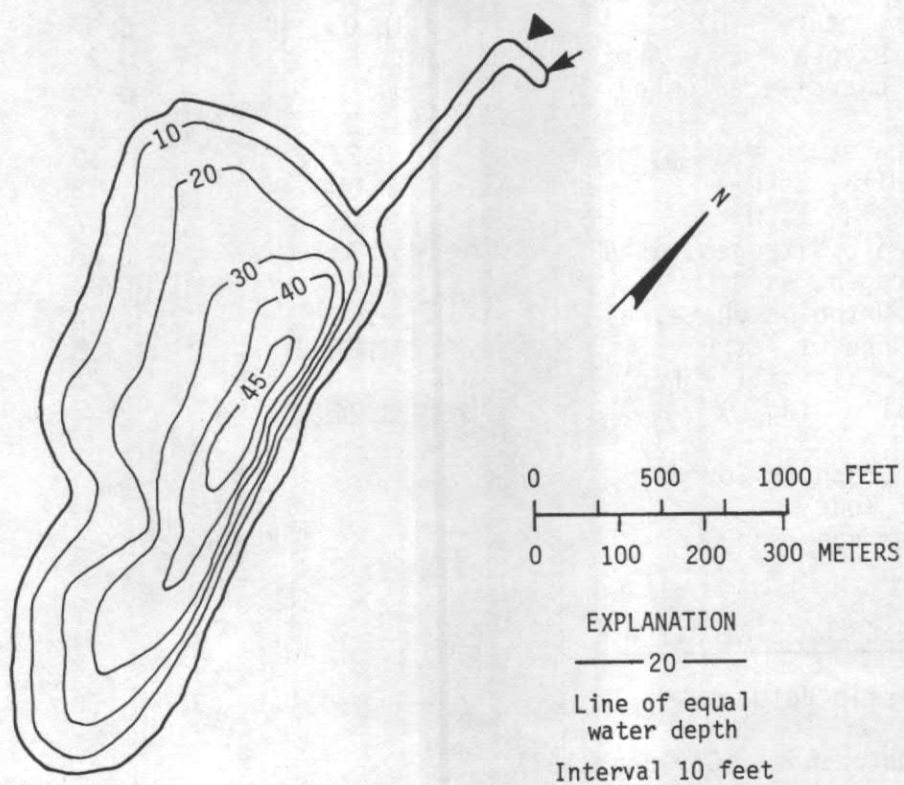
45

TSITP

53

TSICh1

46



Shadow Lake, King County. Photo taken June 15, 1981, view northwesterly.
Bathymetric map from Washington Department of Game, February 1, 1952.

SHADY LAKE

KING COUNTY

WRIA 09

T22N-R05E-01

LATITUDE 47° 25' 43" LONGITUDE 122° 06' 19"

PHYSICAL DATA

Drainage area	0.34 mi ²
Altitude	520 ft
Lake Area	21 acres
Lake Volume	440 acre-ft
Mean Depth	21 ft
Maximum Depth	40 ft
Shoreline Length	0.78 mi
Shoreline Configuration	1.2
Development of Volume	0.52
Bottom Slope	3.7 pct
Surface Inflow	No
Surface Outflow	No

CULTURAL DATA

Residential Development	95	pct
Number of Nearshore Homes	47	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	8	pct
Agricultural	14	pct
Forest or Unproductive	68	pct
Lake Surface	10	pct

Public Boat Access to Lake Yes

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 24, 1981

Depth (ft)	3	31
Water Temperature (°C)	18.0	5.9
Dissolved Oxygen	11.6	0.2
Specific Conductance (umho)	64	76
pH (units)	7.3	6.4
Total Nitrate, as N	0.33	.10
Total Nitrite, as N	.00	.03
Total Ammonia, as N	.08	.07
Total Organic Nitrogen, as N	.73	1.1
Total Nitrogen, as N	1.1	1.3
Dissolved Orthophosphate, as P	.01	.01
Total Phosphorus, as P	.01	.02
Secchi-Disc Visibility (ft)		13
Chlorophyll <u>a</u> (ug/L)	3.24	--

Aquatic Macrophyte Coverage

Littoral Zone

40 pct

Water-Surface Zone

5 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

89

Trophic State Index (Carlson, 1977)

TSI_{SD}

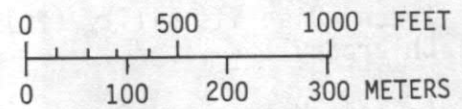
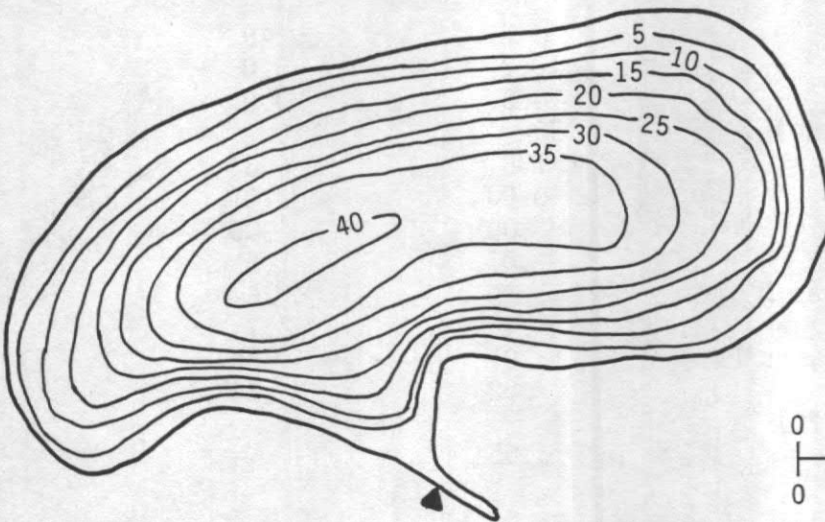
40

TSI_{TP}

37

TSI_{Chl}

42



EXPLANATION

— 30 —
 Line of equal
 water depth
 Interval 5 feet

Shady Lake, King County. Photo taken April 30, 1973.
 Bathymetric map from Washington Department of Game, August 9, 1947.

STAR LAKE

KING COUNTY

WRIA 09

T22N-R04E-34

LATITUDE 47° 21' 10" LONGITUDE 122° 17' 06"

PHYSICAL DATA

Drainage area	0.59 mi ²
Altitude	320 ft
Lake Area	35 acres
Lake Volume	870 acre-ft
Mean Depth	25 ft
Maximum Depth	50 ft
Shoreline Length	1.1 mi
Shoreline Configuration	1.3
Development of Volume	0.50
Bottom Slope	3.6 pct
Surface Inflow	No
Surface Outflow	Yes

CULTURAL DATA

Residential Development	100	pct
Number of Nearshore Homes	78	
Land Use in Drainage Basin		
Residential-Urban	14	pct
Residential-Suburban	27	pct
Agricultural	4	pct
Forest or Unproductive	46	pct
Lake Surface	9	pct

Public Boat Access to Lake Yes

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 15, 1981

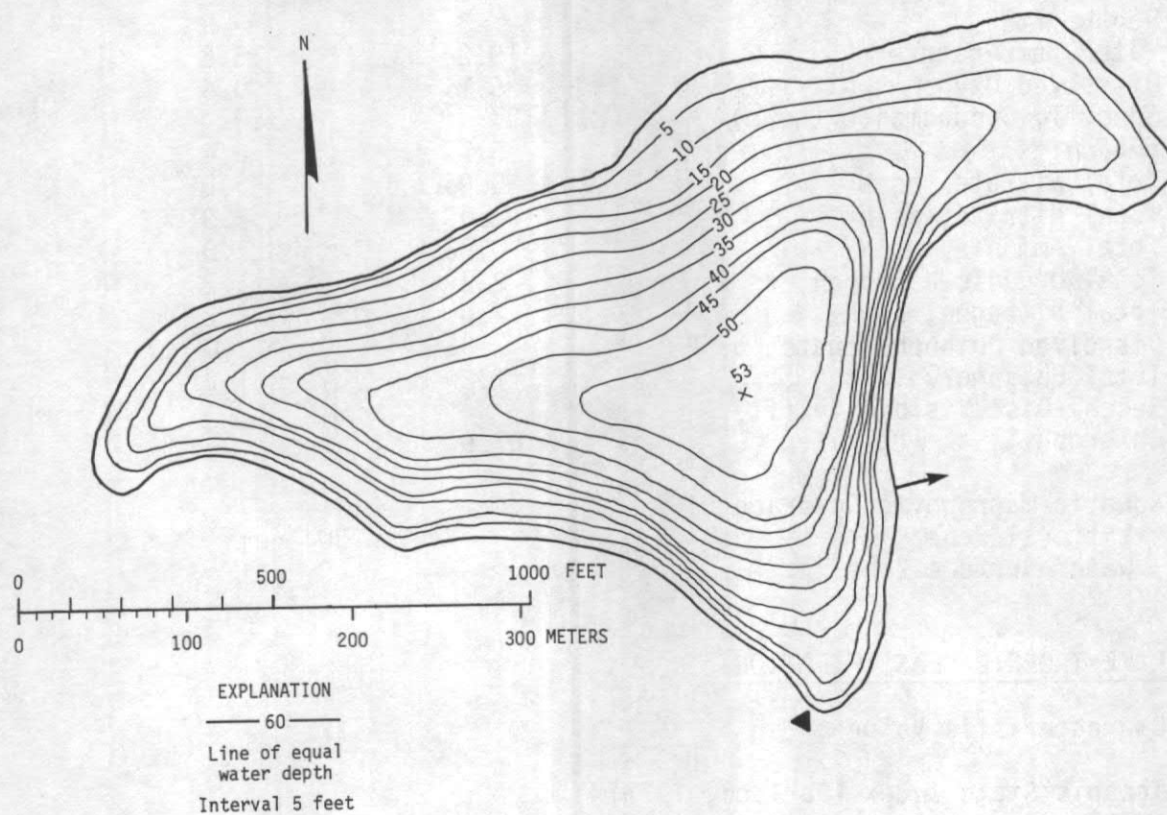
Depth (ft)	3	48
Water Temperature (°C)	18.2	6.0
Dissolved Oxygen	10.0	0.2
Specific Conductance (umho)	96	116
pH (units)	7.5	6.6
Total Nitrate, as N	0.00	.01
Total Nitrite, as N	.00	.00
Total Ammonia, as N	.07	1.5
Total Organic Nitrogen, as N	.39	.6
Total Nitrogen, as N	.46	2.1
Dissolved Orthophosphate, as P	.01	.06
Total Phosphorus, as P	.02	.24
Secchi-Disc Visibility (ft)		11
Chlorophyll <u>a</u> (ug/L)	6.65	--
Aquatic Macrophyte Coverage		
Littoral Zone		75 pct
Water-Surface Zone		5 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value 85

Trophic State Index (Carlson, 1977)

TSI _{SD}	43
TSI _{TP}	49
TSI _{Chl}	49



Star Lake, King County. Photo taken April 30, 1973.
Bathymetric map from Washington Department of Game, January 31, 1952.

STURTEVANT LAKE

KING COUNTY

WRIA 08

T25N-R05E-28

LATITUDE 47° 37' 09" LONGITUDE 122° 10' 48"

PHYSICAL DATA

Drainage area	0.66 mi ²
Altitude	140 ft
Lake Area	10 acres
Lake Volume	72 acre-ft
Mean Depth	8 ft
Maximum Depth	11 ft
Shoreline Length	0.44 mi
Shoreline Configuration	1.0
Development of Volume	0.69
Bottom Slope	1.5 pct
Surface Inflow	No
Surface Outflow	No

CULTURAL DATA

Residential Development	70	pct
Number of Nearshore Homes	36	
Land Use in Drainage Basin		
Residential-Urban	27	pct
Residential-Suburban	17	pct
Agricultural	13	pct
Forest or Unproductive	41	pct
Lake Surface	2	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

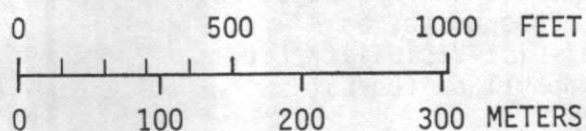
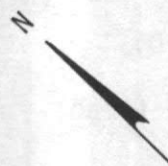
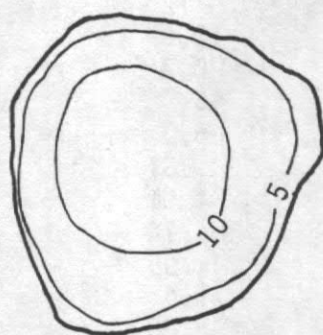
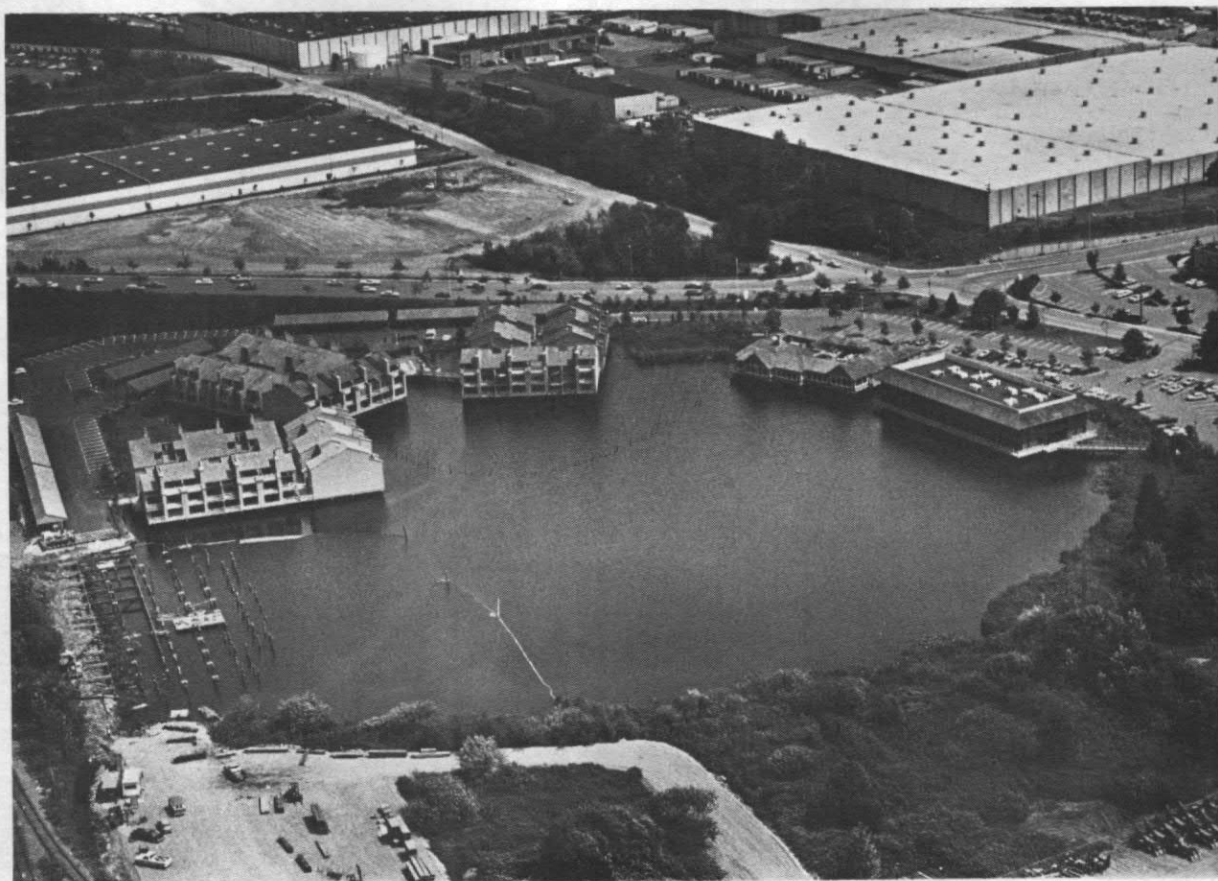
Date

June 29, 1981

Depth (ft)	3	9
Water Temperature (°C)	19.2	15.8
Dissolved Oxygen	5.1	0.4
Specific Conductance (umho)	137	150
pH (units)	6.7	6.4
Total Nitrate, as N	0.06	.01
Total Nitrite, as N	.03	.01
Total Ammonia, as N	.32	1.0
Total Organic Nitrogen, as N	2.2	1.2
Total Nitrogen, as N	2.6	2.2
Dissolved Orthophosphate, as P	.86	2.0
Total Phosphorus, as P	1.2	1.6
Secchi-Disc Visibility (ft)		3
Chlorophyll <u>a</u> (ug/L)	27.9	--
Aquatic Macrophyte Coverage		
Littoral Zone		30 pct
Water-Surface Zone		0 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	777
Trophic State Index (Carlson, 1977)	
TSISD	61
TSITP	106
TSIch1	63



EXPLANATION

— 10 —

Line of equal
water depth

Interval 5 feet

Sturtevant Lake, King County. Photo taken June 29, 1981, view northeasterly.
Bathymetric map from U.S. Geological Survey, July 20, 1973.

WELCOME LAKE

KING COUNTY

WRIA 08

T26N-R06E-21

LATITUDE 47° 43' 29" LONGITUDE 122° 02' 48"

PHYSICAL DATA

Drainage area	0.92 mi ²
Altitude	360 ft
Lake Area	14 acres
Lake Volume	132 acre-ft
Mean Depth	9 ft
Maximum Depth	15 ft
Shoreline Length	1.0 mi
Shoreline Configuration	1.9
Development of Volume	0.63
Bottom Slope	1.7 pct
Surface Inflow	No
Surface Outflow	Yes

CULTURAL DATA

Residential Development	0	pct
Number of Nearshore Homes	0	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	0	pct
Agricultural	0	pct
Forest or Unproductive	98	pct
Lake Surface	2	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

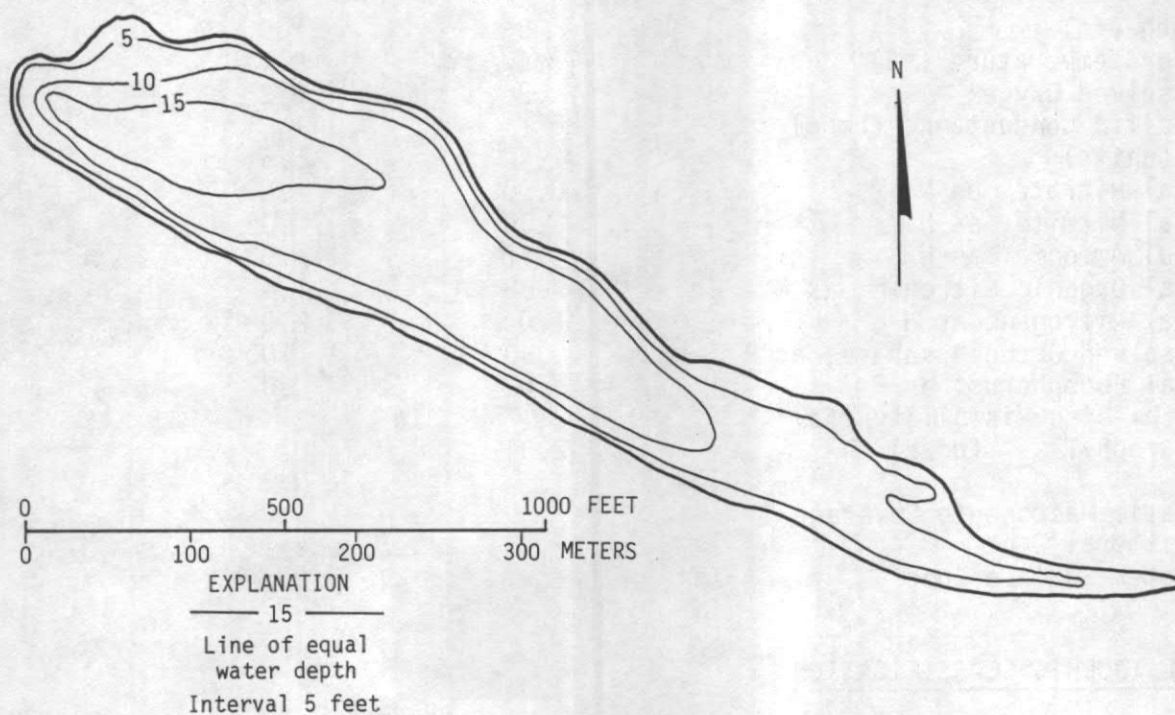
Date

June 29, 1981

Depth (ft)	3	12
Water Temperature (°C)	19.2	10.6
Dissolved Oxygen	9.4	0.2
Specific Conductance (umho)	40	46
pH (units)	6.3	6.0
Total Nitrate, as N	0.37	.31
Total Nitrite, as N	.01	.01
Total Ammonia, as N	.07	.14
Total Organic Nitrogen, as N	1.0	.96
Total Nitrogen, as N	1.5	1.4
Dissolved Orthophosphate, as P	.03	.06
Total Phosphorus, as P	.06	.07
Secchi-Disc Visibility (ft)	5	
Chlorophyll <u>a</u> (ug/L)	6.55	--
Aquatic Macrophyte Coverage		
Littoral Zone	<1	pct
Water-Surface Zone	0	pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	199
Trophic State Index (Carlson, 1977)	
TSISD	54
TSITP	63
TSICh1	49



Welcome Lake, King County. Photo taken June 29, 1981, view westerly.
Bathymetric map from U.S. Geological Survey, July 7, 1981.

WILDERNESS LAKE

KING COUNTY

WRIA 09

T22N-R06E-27

LATITUDE 47° 22' 12" LONGITUDE 122° 02' 04"

PHYSICAL DATA

Drainage area	0.66 mi ²
Altitude	470 ft
Lake Area	69 acres
Lake Volume	1,400 acre-ft
Mean Depth	21 ft
Maximum Depth	38 ft
Shoreline Length	1.8 mi
Shoreline Configuration	1.5
Development of Volume	0.54
Bottom Slope	7.7 pct
Surface Inflow	No
Surface Outflow	Yes

CULTURAL DATA

Residential Development	50	pct
Number of Nearshore Homes	48	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	2	pct
Agricultural	0	pct
Forest or Unproductive	82	pct
Lake Surface	16	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 26, 1981

Depth (ft)	3	29
Water Temperature (°C)	18.6	9.1
Dissolved Oxygen	11.3	0.2
Specific Conductance (umho)	80	111
pH (units)	7.4	6.6
Total Nitrate, as N	0.00	.03
Total Nitrite, as N	.00	.02
Total Ammonia, as N	.12	.53
Total Organic Nitrogen, as N	.88	1.4
Total Nitrogen, as N	1.0	2.0
Dissolved Orthophosphate, as P	.00	.00
Total Phosphorus, as P	.02	.07
Secchi-Disc Visibility (ft)	14	
Chlorophyll <u>a</u> (ug/L)	2.34	--

Aquatic Macrophyte Coverage

Littoral Zone

<5 pct

Water-Surface Zone

<1 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

97

Trophic State Index (Carlson, 1977)

TSI_{SD}

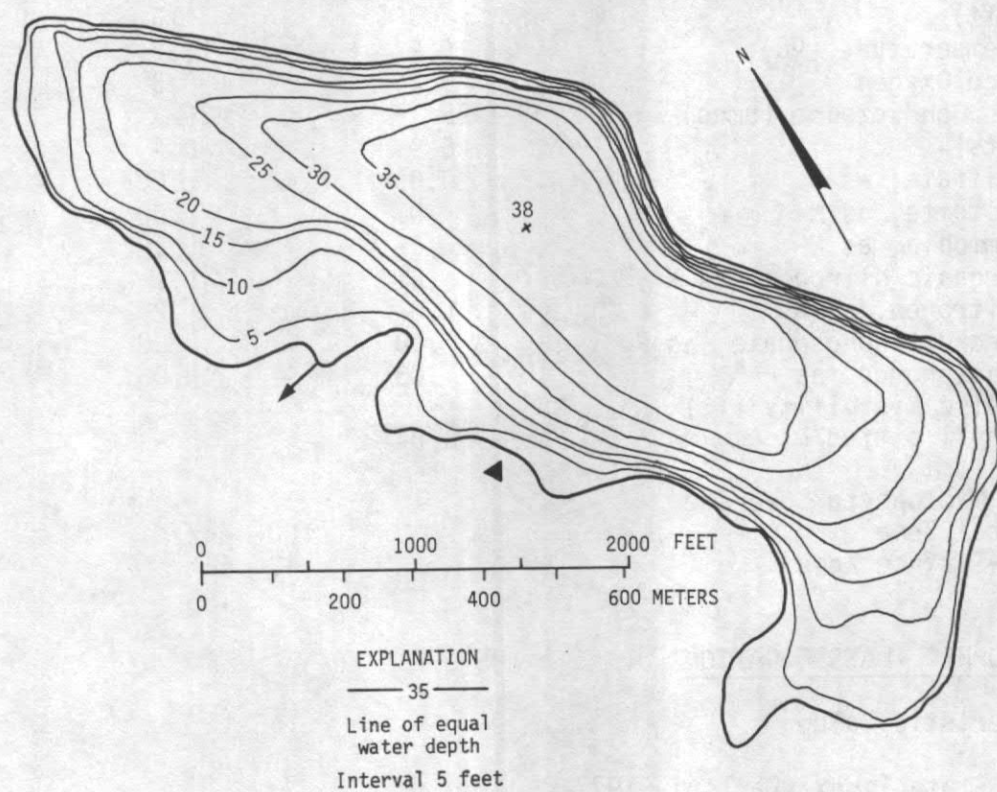
39

TSI_{TP}

47

TSI_{cchl}

39



Wilderness Lake, King County. Photo taken June 26, 1981, view northeasterly.
Bathymetric map from Washington Department of Game, July 25, 1952.

YELLOW LAKE

KING COUNTY

WRIA 08

T24N-R06E-14

LATITUDE 47° 34' 08" LONGITUDE 122° 00' 29"

PHYSICAL DATA

Drainage area	0.68 mi ²
Altitude	388 ft
Lake Area	14 acres
Lake Volume	66 acre-ft
Mean Depth	5 ft
Maximum Depth	16 ft
Shoreline Length	0.55 mi
Shoreline Configuration	1.1
Development of Volume	0.30
Bottom Slope	1.8 pct
Surface Inflow	Yes
Surface Outflow	Yes

CULTURAL DATA

Residential Development	0	pct
Number of Nearshore Homes	0	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	0	pct
Agricultural	0	pct
Forest or Unproductive	97	pct
Lake Surface	3	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 26, 1981

Depth (ft)	3	13
Water Temperature (°C)	19.2	11.8
Dissolved Oxygen	9.2	0.3
Specific Conductance (umho)	25	30
pH (units)	6.9	6.4
Total Nitrate, as N	0.00	.00
Total Nitrite, as N	.01	.00
Total Ammonia, as N	.09	.12
Total Organic Nitrogen, as N	.91	1.1
Total Nitrogen, as N	1.0	1.2
Dissolved Orthophosphate, as P	.00	.00
Total Phosphorus, as P	.03	.05
Secchi-Disc Visibility (ft)	7	
Chlorophyll <u>a</u> (ug/L)	3.84	--

Aquatic Macrophyte Coverage

Littoral Zone

100 pct

Water-Surface Zone

40 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

145

Trophic State Index (Carlson, 1977)

TSI_{SD}

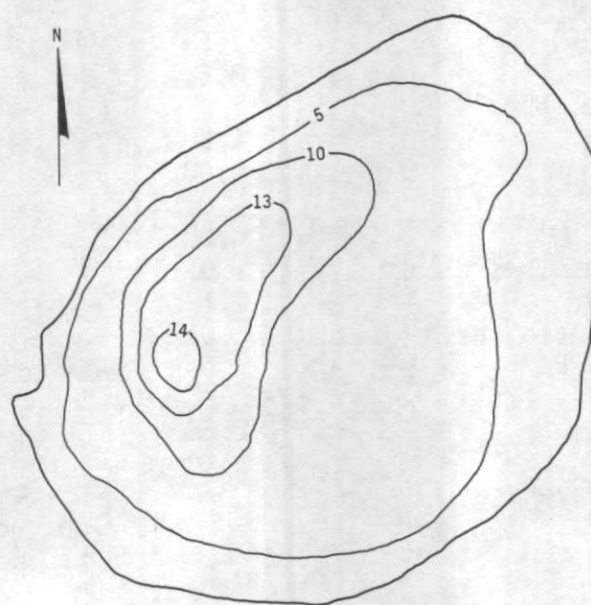
49

TSI_{TP}

53

TSI_{Chl}

44



0 200 400 600 FEET
0 50 100 150 METERS

EXPLANATION
— 10 —
Line of equal
water depth
Interval, in feet, variable

Yellow Lake, King County. Photo taken June 26, 1981, view southeasterly.
Bathymetric map from U.S. Geological Survey, July 6, 1981.

BEAR LAKE

KITSAP COUNTY

WRIA 15

T23N-R01W-36

LATITUDE 47° 26' 36" LONGITUDE 122° 44' 50"

PHYSICAL DATA

Drainage area	0.12 mi ²
Altitude	390 ft
Lake Area	15 acres
Lake Volume	95 acre-ft
Mean Depth	6 ft
Maximum Depth	11 ft
Shoreline Length	0.89 mi
Shoreline Configuration	1.7
Development of Volume	0.59
Bottom Slope	1.2 pct
Surface Inflow	No
Surface Outflow	No

CULTURAL DATA

Residential Development	70	pct
Number of Nearshore Homes	24	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	15	pct
Agricultural	0	pct
Forest or Unproductive	62	pct
Lake Surface	23	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 12, 1981

Depth (ft)	3	9
Water Temperature (°C)	17.6	17.6
Dissolved Oxygen	8.8	8.6
Specific Conductance (umho)	17	15
pH (units)	6.6	6.5
Total Nitrate, as N	0.00	0.00
Total Nitrite, as N	.01	.00
Total Ammonia, as N	.08	.07
Total Organic Nitrogen, as N	1.0	1.1
Total Nitrogen, as N	1.1	1.2
Dissolved Orthophosphate, as P	.01	.01
Total Phosphorus, as P	.04	.03
Secchi-Disc Visibility (ft)		9
Chlorophyll <u>a</u> (ug/L)	2.58	--

Aquatic Macrophyte Coverage

Littoral Zone

100 pct

Water-Surface Zone

<1 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

133

Trophic State Index (Carlson, 1977)

TSISD

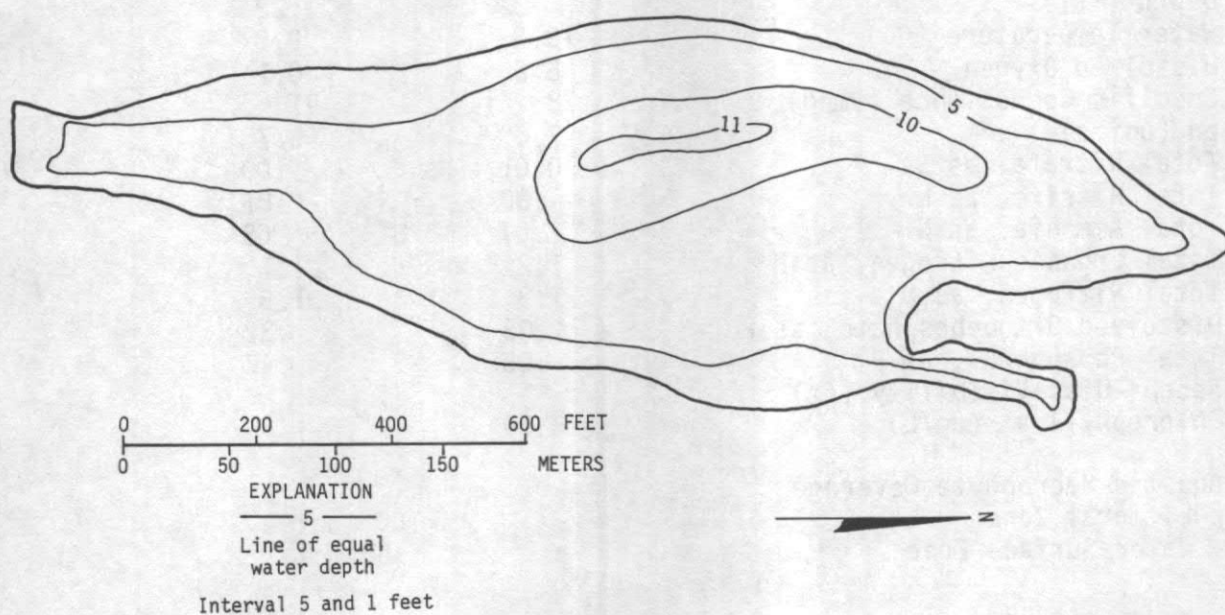
45

TSITP

57

TSICh1

40



Bear Lake, Kitsap County. Photo taken May 18, 1978.
Bathymetric map from U.S. Geological Survey, June 3, 1981.

BUCK LAKE

KITSAP COUNTY

WRIA 15

T28N-R02E-21

LATITUDE 47° 54' 33" LONGITUDE 122° 33' 27"

PHYSICAL DATA

Drainage area	0.27 mi ²
Altitude	130 ft
Lake Area	22 acres
Lake Volume	157 acre-ft
Mean Depth	7 ft
Maximum Depth	24 ft
Shoreline Length	0.85 mi
Shoreline Configuration	1.3
Development of Volume	0.30
Bottom Slope	2.2 pct
Surface Inflow	No
Surface Outflow	No

CULTURAL DATA

Residential Development	5	pct
Number of Nearshore Homes	2	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	0	pct
Agricultural	12	pct
Forest or Unproductive	78	pct
Lake Surface	10	pct

Public Boat Access to Lake Yes

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

July 2, 1981

Depth (ft)	3	22
Water Temperature (°C)	19.8	9.8
Dissolved Oxygen	8.6	0.1
Specific Conductance (umho)	78	91
pH (units)	7.6	6.7
Total Nitrate, as N	0.01	.00
Total Nitrite, as N	.00	.01
Total Ammonia, as N	.07	.68
Total Organic Nitrogen, as N	1.2	1.1
Total Nitrogen, as N	1.3	1.8
Dissolved Orthophosphate, as P	.03	.32
Total Phosphorus, as P	.05	.47
Secchi-Disc Visibility (ft)		7
Chlorophyll <u>a</u> (ug/L)	3.39	--

Aquatic Macrophyte Coverage

Littoral Zone

100 pct

Water-Surface Zone

5 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

171

Trophic State Index (Carlson, 1977)

TSI_{SD}

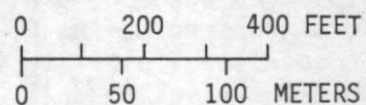
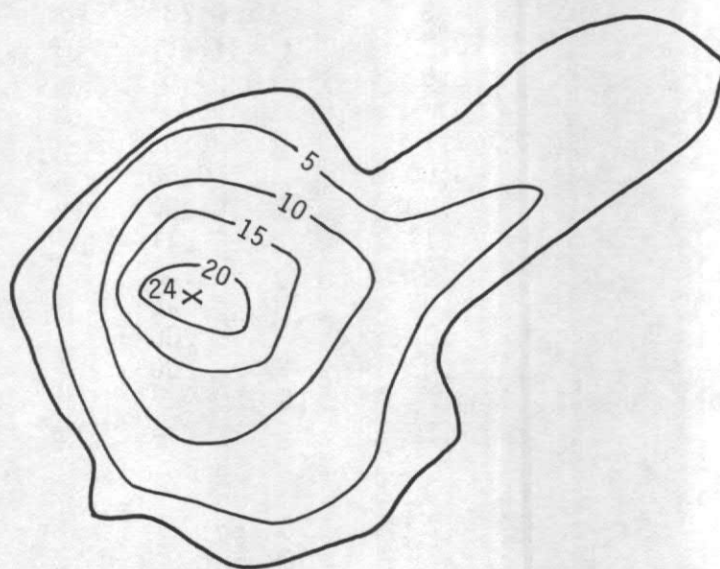
49

TSI_{TP}

61

TSI_{Chl}

43



EXPLANATION

— 15 —

Line of equal
water depth
Interval 5 feet

Buck Lake, Kitsap County. Photo taken July 2, 1981, view southwesterly.
Bathymetric map from Washington Department of Game, date unknown.

KITSAP LAKE

KITSAP COUNTY

WRIA 15

T24N-R01E-08

LATITUDE 47° 34' 47" LONGITUDE 122° 42' 34"

PHYSICAL DATA

Drainage area	2.73 mi ²
Altitude	156 ft
Lake Area	250 acres
Lake Volume	4,500 acre-ft
Mean Depth	18 ft
Maximum Depth	29 ft
Shoreline Length	2.7 mi
Shoreline Configuration	1.2
Development of Volume	0.62
Bottom Slope	2.7 pct
Surface Inflow	Yes
Surface Outflow	Yes

CULTURAL DATA

Residential Development	75	pct
Number of Nearshore Homes	109	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	12	pct
Agricultural	3	pct
Forest or Unproductive	71	pct
Lake Surface	14	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

July 21, 1981

Depth (ft)	3	23
Water Temperature (°C)	20.2	18.8
Dissolved Oxygen	8.5	3.6
Specific Conductance (umho)	96	96
pH (units)	7.1	6.9
Total Nitrate, as N	0.00	0.00
Total Nitrite, as N	.00	.00
Total Ammonia, as N	.17	.11
Total Organic Nitrogen, as N	.51	.34
Total Nitrogen, as N	.68	.45
Dissolved Orthophosphate, as P	.02	.00
Total Phosphorus, as P	.03	.00
Secchi-Disc Visibility (ft)		15
Chlorophyll <u>a</u> (ug/L)	2.50	--

Aquatic Macrophyte Coverage

Littoral Zone

70 pct

Water-Surface Zone

30 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

71

Trophic State Index (Carlson, 1977)

TSI_{SD}

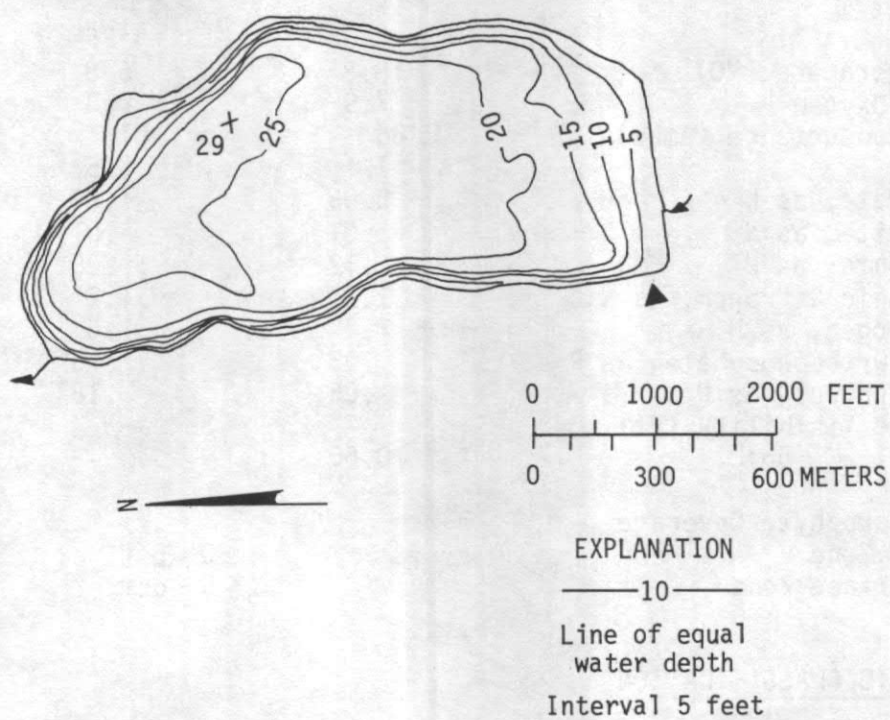
38

TSI_{TP}

53

TSI_{Chl}

40



Kitsap Lake, Kitsap County. Photo taken September 1974, view southeasterly.
Bathymetric map from Washington Department of Game, June 7, 1950.

MILLER LAKE

KITSAP COUNTY

WRIA 15

T27N-R02E-21

LATITUDE 47° 48' 56" LONGITUDE 122° 33' 28"

PHYSICAL DATA

Drainage area	1.23 mi ²
Altitude	50 ft
Lake Area	31 acres
Lake Volume	640 acre-ft
Mean Depth	20 ft
Maximum Depth	30 ft
Shoreline Length	0.80 mi
Shoreline Configuration	1.0
Development of Volume	0.68
Bottom Slope	2.3 pct
Surface Inflow	Yes
Surface Outflow	Yes

CULTURAL DATA

Residential Development	0	pct
Number of Nearshore Homes	0	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	0	pct
Agricultural	11	pct
Forest or Unproductive	85	pct
Lake Surface	4	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

July 1, 1981

Depth (ft)	3	26
Water Temperature (°C)	18.8	6.8
Dissolved Oxygen	7.9	0.3
Specific Conductance (umho)	86	87
pH (units)	7.1	6.5
Total Nitrate, as N	0.06	.08
Total Nitrite, as N	.01	.01
Total Ammonia, as N	.12	.20
Total Organic Nitrogen, as N	1.2	1.2
Total Nitrogen, as N	1.4	1.5
Dissolved Orthophosphate, as P	.03	.15
Total Phosphorus, as P	.06	.18
Secchi-Disc Visibility (ft)		3
Chlorophyll <u>a</u> (ug/L)	10.66	--

Aquatic Macrophyte Coverage

Littoral Zone

90 pct

Water-Surface Zone

< 5 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

298

Trophic State Index (Carlson, 1977)

TSISD

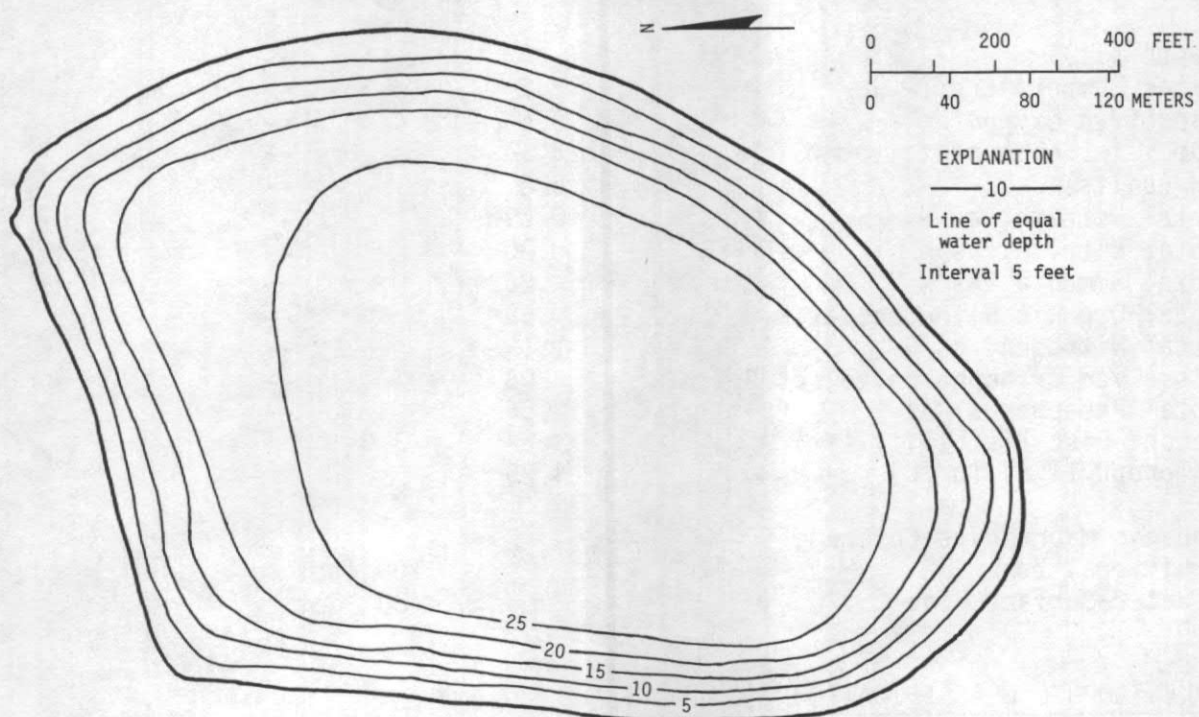
61

TSITP

63

TSICh1

54



Miller Lake, Kitsap County. Photo taken July 1, 1981, view easterly.
Bathymetric map from U.S. Geological Survey, April 3, 1974.

DAVIS LAKE

LEWIS COUNTY

WRIA 26

T12N-R04E-12

LATITUDE 46° 32' 44" LONGITUDE 122° 15' 10"

PHYSICAL DATA

Drainage area	8.3 mi ²
Altitude	920 ft
Lake Area	15 acres
Lake Volume	80 acre-ft
Mean Depth	5 ft
Maximum Depth	9 ft
Shoreline Length	1.0 mi
Shoreline Configuration	1.9
Development of Volume	0.60
Bottom Slope	1.0 pct
Surface Inflow	Yes
Surface Outflow	Yes

CULTURAL DATA

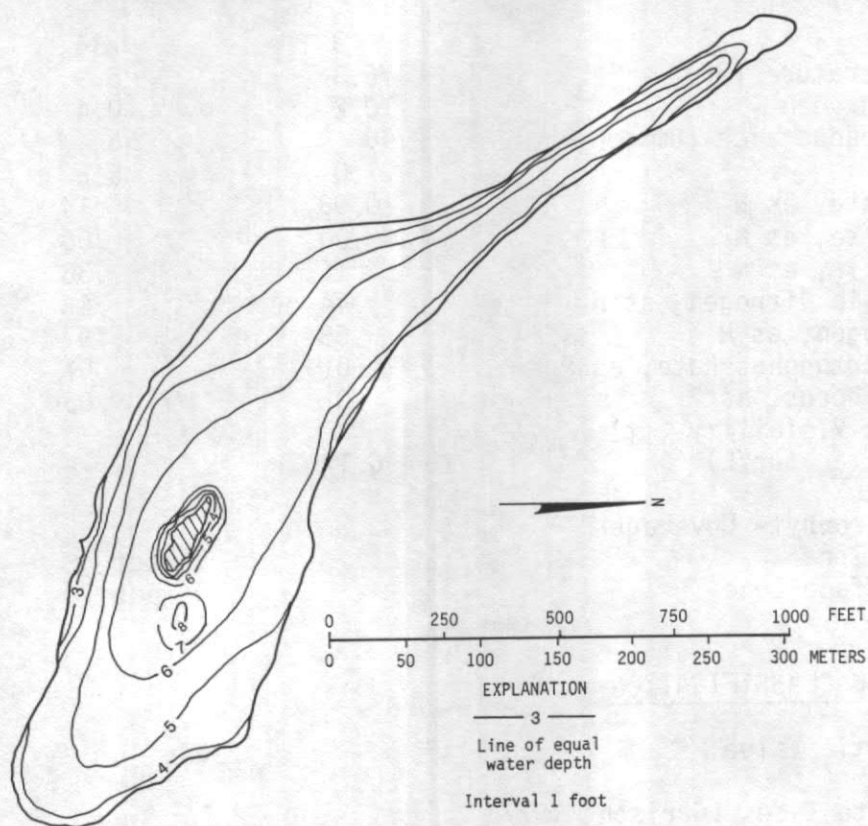
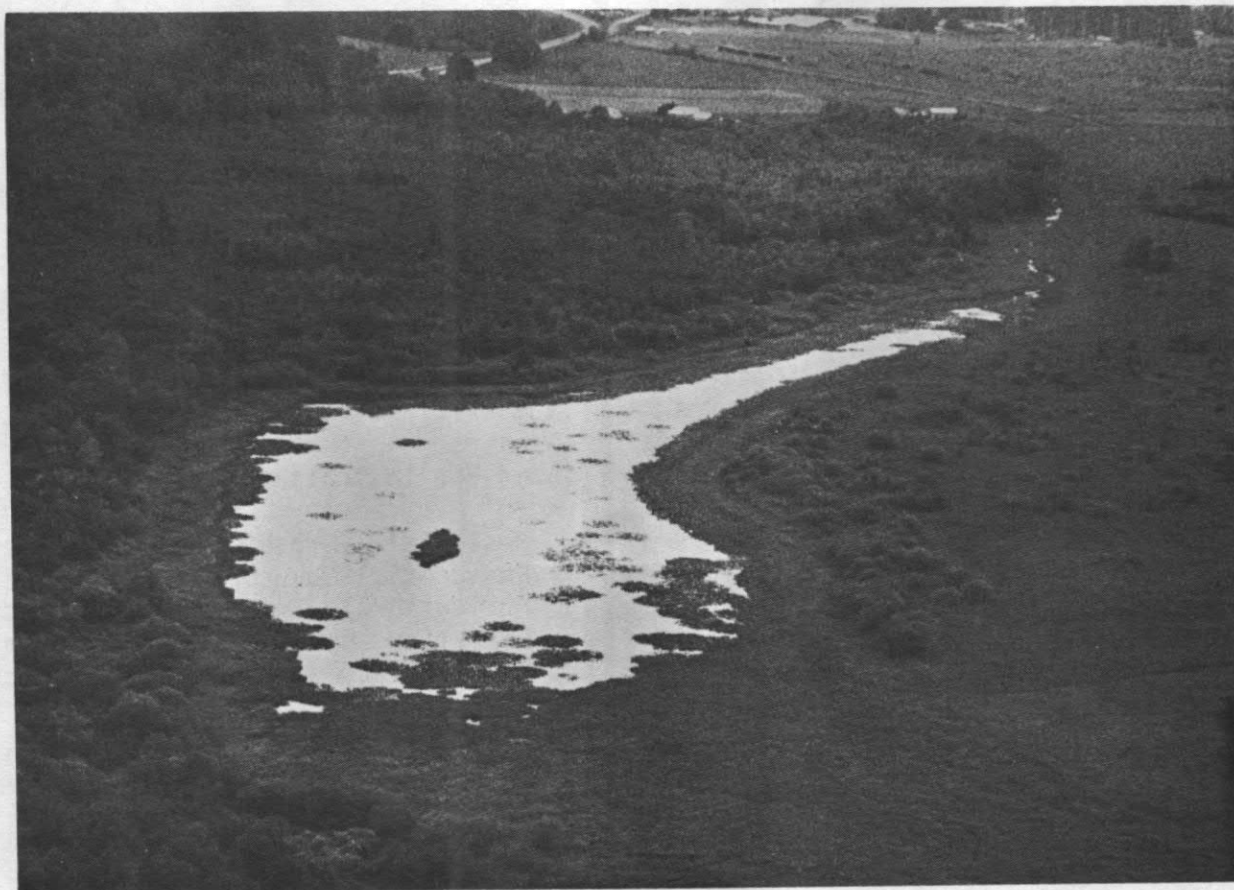
Residential Development	0	pct
Number of Nearshore Homes	0	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	8	pct
Agricultural	9	pct
Forest or Unproductive	83	pct
Lake Surface	<1	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date	June 4, 1981	
Depth (ft)	3	--
Water Temperature (°C)	12.2	--
Dissolved Oxygen	5.6	--
Specific Conductance (umho)	123	--
pH (units)	6.6	--
Total Nitrate, as N	0.29	--
Total Nitrite, as N	.00	--
Total Ammonia, as N	.26	--
Total Organic Nitrogen, as N	.58	--
Total Nitrogen, as N	1.1	--
Dissolved Orthophosphate, as P	.03	--
Total Phosphorus, as P	.06	--
Secchi-Disc Visibility (ft)	3.5	--
Chlorophyll <u>a</u> (ug/L)	4.25	--
Aquatic Macrophyte Coverage		
Littoral Zone	100	pct
Water-Surface Zone	30	pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	205
Trophic State Index (Carlson, 1977)	
TSI _{SD}	59
TSI _{TP}	45
TSI _{Chl}	63



Davis Lake, Lewis County. Photo taken June 4, 1981, view westerly.
Bathymetric map from U.S. Geological Survey, July 15, 1981.

MINERAL LAKE

LEWIS COUNTY

WRIA 11

T14N-R05E-09

LATITUDE 46° 43' 08" LONGITUDE 122° 10' 36"

PHYSICAL DATA

Drainage area	2.19 mi ²
Altitude	1,450 ft
Lake Area	280 acres
Lake Volume	7,600 acre-ft
Mean Depth	26 ft
Maximum Depth	38 ft
Shoreline Length	3.3 mi
Shoreline Configuration	1.4
Development of Volume	0.69
Bottom Slope	0.95 pct
Surface Inflow	Yes
Surface Outflow	Yes

CULTURAL DATA

Residential Development	30	pct
Number of Nearshore Homes	20	
Land Use in Drainage Basin		
Residential-Urban	13	pct
Residential-Suburban	0	pct
Agricultural	0	pct
Forest or Unproductive	67	pct
Lake Surface	20	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

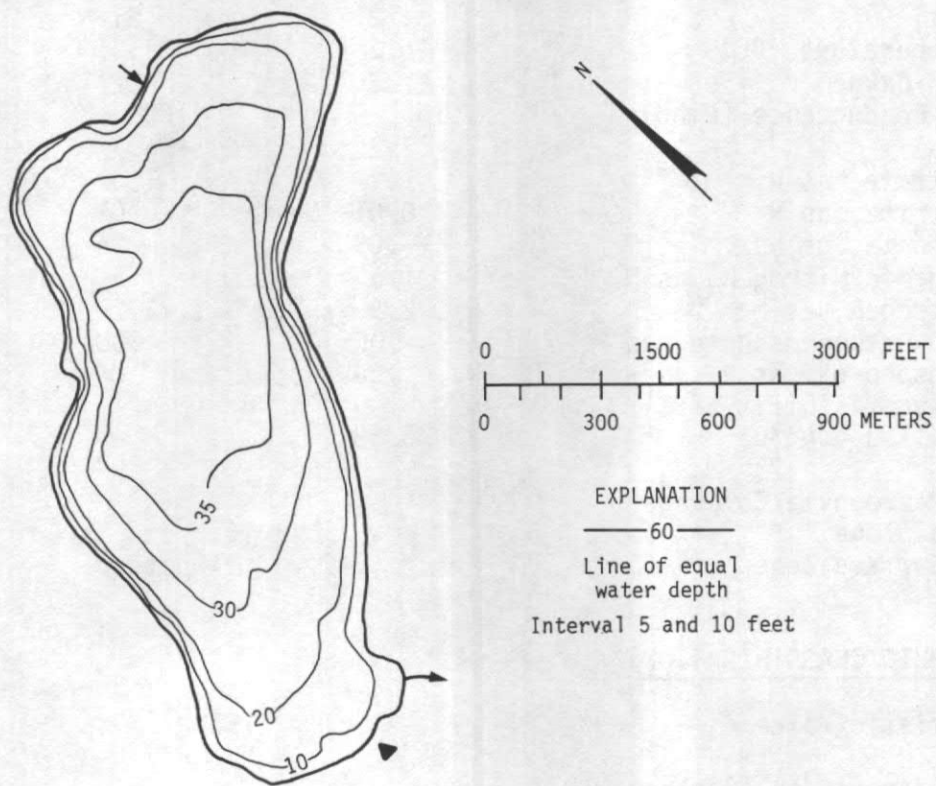
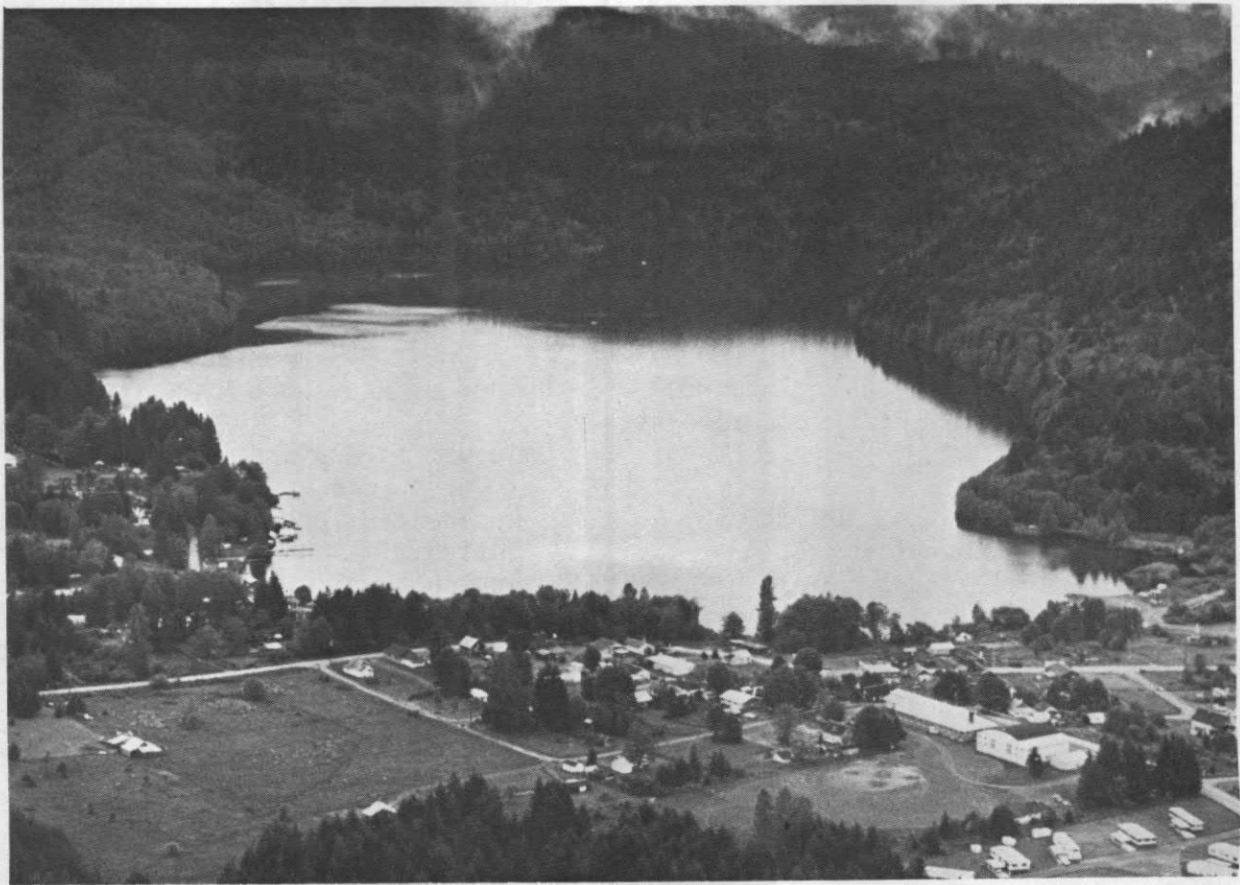
Date

June 4, 1981

Depth (ft)	3	34
Water Temperature (°C)	16.3	8.9
Dissolved Oxygen	10.2	0.4
Specific Conductance (umho)	48	55
pH (units)	7.0	6.5
Total Nitrate, as N	0.08	.14
Total Nitrite, as N	.00	.00
Total Ammonia, as N	.16	.38
Total Organic Nitrogen, as N	.44	.45
Total Nitrogen, as N	.68	.97
Dissolved Orthophosphate, as P	.01	.01
Total Phosphorus, as P	.01	.03
Secchi-Disc Visibility (ft)		16
Chlorophyll <u>a</u> (ug/L)	6.17	--
Aquatic Macrophyte Coverage		
Littoral Zone		0 pct
Water-Surface Zone		0 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	69
Trophic State Index (Carlson, 1977)	
TSI _{SD}	37
TSI _{TP}	37
TSI _{Chl}	49



Mineral Lake, Lewis County. Photo taken June 4, 1981, view northeasterly. Bathymetric map from Washington Department of Game, February 26, 1952.

PLUMMER LAKE

LEWIS COUNTY

WRIA 23

T14N-R02W-07

LATITUDE 46° 42' 50" LONGITUDE 122° 58' 23"

PHYSICAL DATA

Drainage area	.13 mi ²
Altitude	140 ft
Lake Area	15 acres
Lake Volume	252 acre-ft
Mean Depth	16 ft
Maximum Depth	43 ft
Shoreline Length	0.71 mi
Shoreline Configuration	1.3
Development of Volume	0.38
Bottom Slope	4.6 pct
Surface Inflow	No
Surface Outflow	Yes

CULTURAL DATA

Residential Development	40	pct
Number of Nearshore Homes	6	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	90	pct
Agricultural	0	pct
Forest or Unproductive	0	pct
Lake Surface	10	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 9, 1981

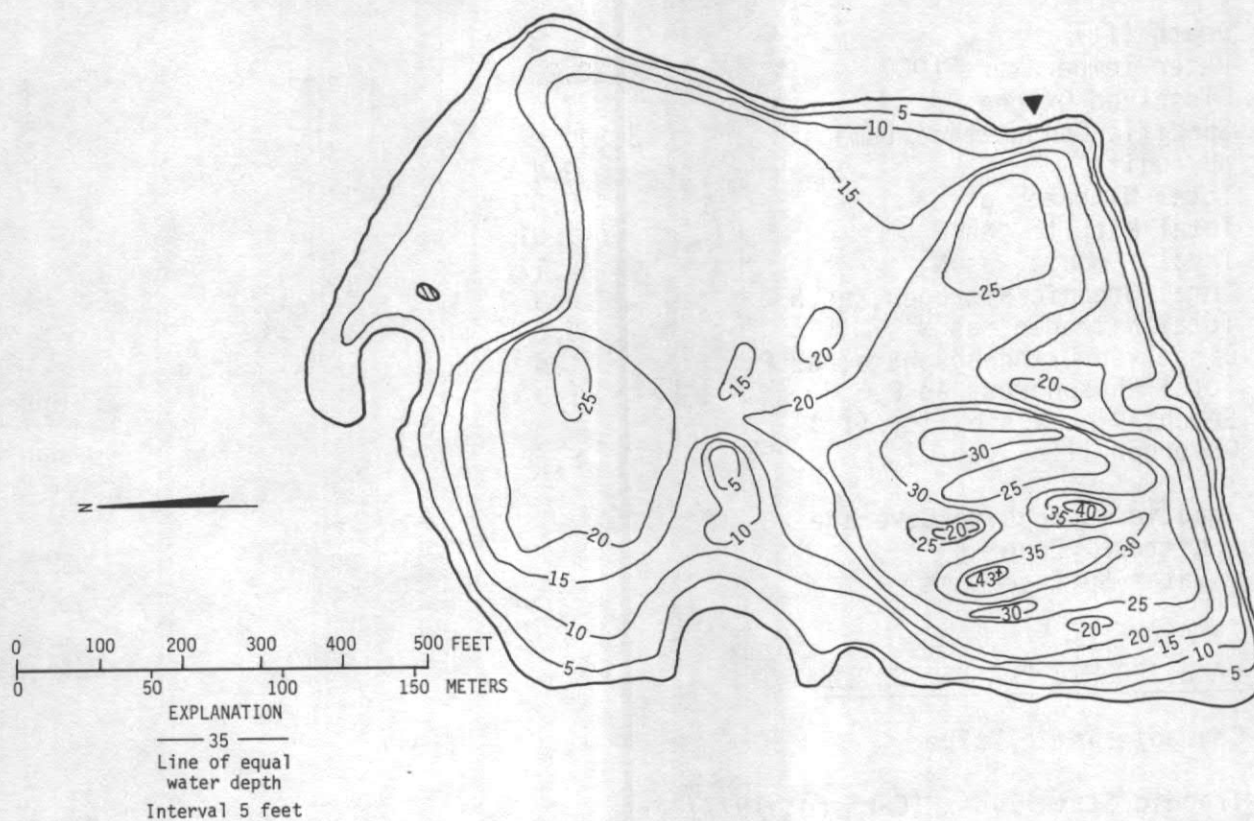
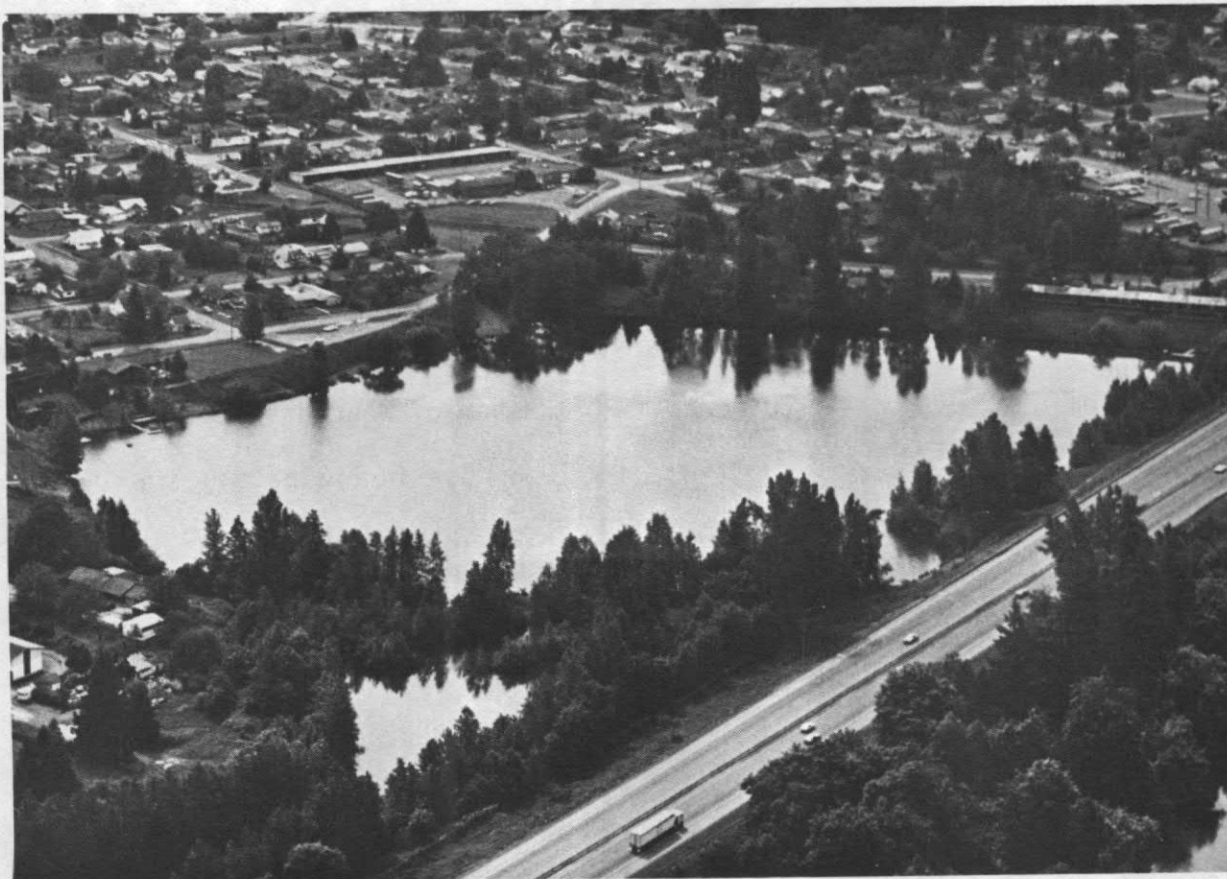
Depth (ft)	3	21
Water Temperature (°C)	16.2	11.1
Dissolved Oxygen	11.3	0.2
Specific Conductance (umho)	155	180
pH (units)	7.2	6.7
Total Nitrate, as N	1.2	1.5
Total Nitrite, as N	0.01	.01
Total Ammonia, as N	.09	.24
Total Organic Nitrogen, as N	1.6	1.5
Total Nitrogen, as N	2.9	3.2
Dissolved Orthophosphate, as P	.00	.00
Total Phosphorus, as P	.04	.06
Secchi-Disc Visibility (ft)		8
Chlorophyll <u>a</u> (ug/L)	6.38	--
Aquatic Macrophyte Coverage		
Littoral Zone		10 pct
Water-Surface Zone		<1 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value 197

Trophic State Index (Carlson, 1977)

TSI _{SD}	47
TSI _{TP}	57
TSI _{Chl}	49



Plummer Lake, Lewis County. Photo taken June 9, 1981, view southeasterly.
 Bathymetric map from U.S. Geological Survey, September 9, 1981.

FLAT LAKE

LINCOLN COUNTY

WRIA 43

T24N-R33E-01

LATITUDE 47° 36' 32" LONGITUDE 118° 36' 36"

PHYSICAL DATA

Drainage area	1.50 mi ²
Altitude	2,185 ft
Lake Area	20 acres
Lake Volume	63 acre-ft
Mean Depth	3 ft
Maximum Depth	4 ft
Shoreline Length	1.0 mi
Shoreline Configuration	1.6
Development of Volume	0.78
Bottom Slope	0.38 pct
Surface Inflow	Yes
Surface Outflow	No

CULTURAL DATA

Residential Development	0	pct
Number of Nearshore Homes	0	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	0	pct
Agricultural	97	pct
Forest or Unproductive	0	pct
Lake Surface	3	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

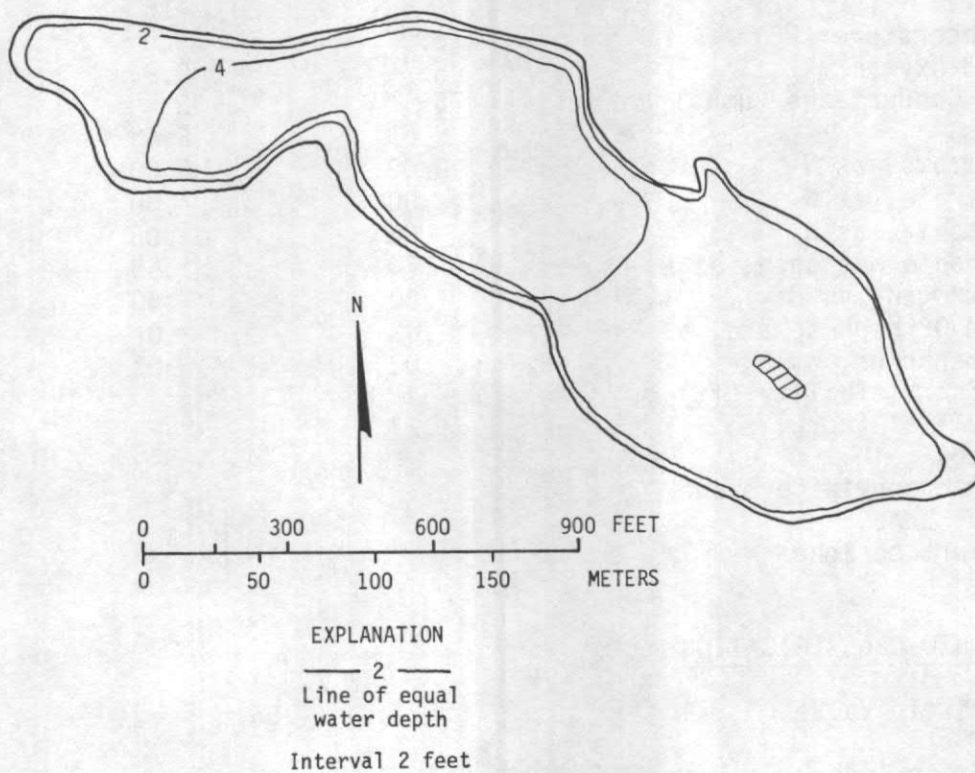
Date

July 17, 1981

Depth (ft)	3	--
Water Temperature (°C)	20.2	--
Dissolved Oxygen	7.4	--
Specific Conductance (umho)	3,800	--
pH (units)	9.4	--
Total Nitrate, as N	0.00	--
Total Nitrite, as N	.01	--
Total Ammonia, as N	.17	--
Total Organic Nitrogen, as N	5.3	--
Total Nitrogen, as N	5.5	--
Dissolved Orthophosphate, as P	1.4	--
Total Phosphorus, as P	1.3	--
Secchi-Disc Visibility (ft)	2	--
Chlorophyll <u>a</u> (ug/L)	5.56	--
Aquatic Macrophyte Coverage		
Littoral Zone	20	pct
Water-Surface Zone	0	pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	1,047
Trophic State Index (Carlson, 1977)	
TSI _{SD}	67
TSI _{TP}	108
TSI _{Chl}	47



Flat Lake, Lincoln County. Photo taken July 17, 1981, view southerly.
Bathymetric map from U.S. Geological Survey, June 30, 1981.

BLACKSMITH LAKE

MASON COUNTY

WRIA 15

T23N-R02W-10

LATITUDE 47° 30' 20" LONGITUDE 122° 55' 22"

PHYSICAL DATA

Drainage area	0.99 mi ²
Altitude	422 ft
Lake Area	25 acres
Lake Volume	233 acre-ft
Mean Depth	9 ft
Maximum Depth	22 ft
Shoreline Length	1.4 mi
Shoreline Configuration	2.0
Development of Volume	0.42
Bottom Slope	1.9 pct
Surface Inflow	Yes
Surface Outflow	No

CULTURAL DATA

Residential Development	0	pct
Number of Nearshore Homes	0	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	0	pct
Agricultural	0	pct
Forest or Unproductive	96	pct
Lake Surface	4	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

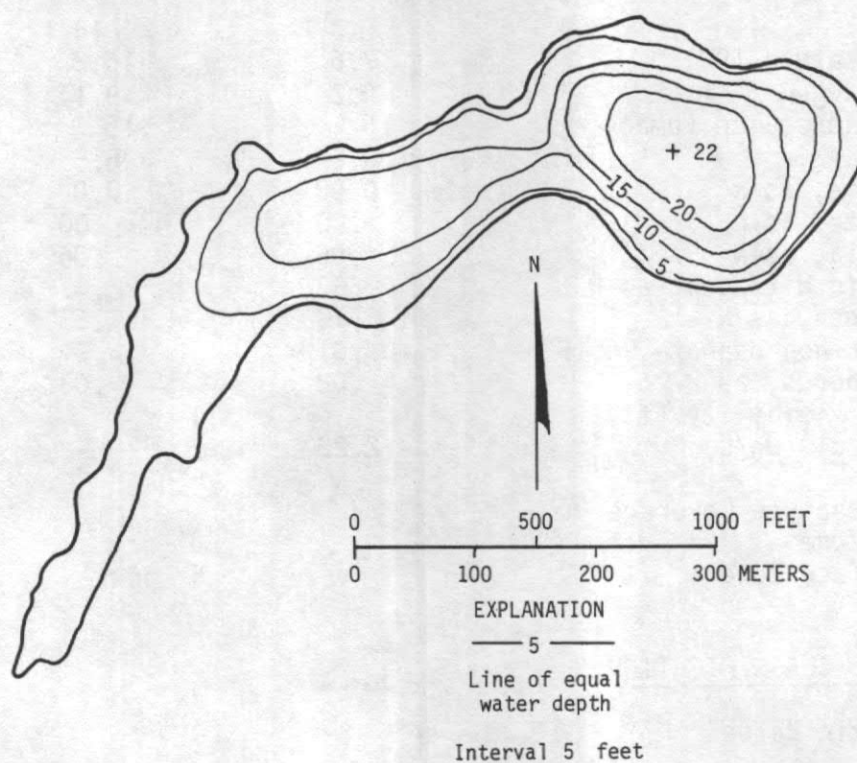
Date

June 12, 1981

Depth (ft)	3	16
Water Temperature (°C)	18.0	15.0
Dissolved Oxygen	8.7	9.9
Specific Conductance (umho)	15	18
pH (units)	6.6	6.6
Total Nitrate, as N	0.00	0.00
Total Nitrite, as N	.00	.00
Total Ammonia, as N	.06	.05
Total Organic Nitrogen, as N	.74	.55
Total Nitrogen, as N	.80	.60
Dissolved Orthophosphate, as P	.02	.01
Total Phosphorus, as P	.02	.03
Secchi-Disc Visibility (ft)	13	
Chlorophyll <u>a</u> (ug/L)	1.27	--
Aquatic Macrophyte Coverage		
Littoral Zone	100	pct
Water-Surface Zone	1	pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	86
Trophic State Index (Carlson, 1977)	
TSI _{SD}	40
TSI _{TP}	47
TSI _{Chl}	33



Blacksmith Lake, Mason County. Photo taken June 12, 1981, view northeasterly. Bathymetric map from U.S. Geological Survey, June 9, 1981.

COON LAKE

MASON COUNTY

WRIA 14

T22N-R02W-24

LATITUDE 47° 22' 53" LONGITUDE 122° 52' 03"

PHYSICAL DATA

Drainage area	0.23 mi ²
Altitude	330 ft
Lake Area	18 acres
Lake Volume	177 acre-ft
Mean Depth	10 ft
Maximum Depth	17 ft
Shoreline Length	0.94 mi
Shoreline Configuration	1.6
Development of Volume	0.60
Bottom Slope	1.7 pct
Surface Inflow	No
Surface Outflow	No

CULTURAL DATA

Residential Development	10	pct
Number of Nearshore Homes	3	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	0	pct
Agricultural	0	pct
Forest or Unproductive	89	pct
Lake Surface	11	pct
Public Boat Access to Lake	No	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 12, 1981

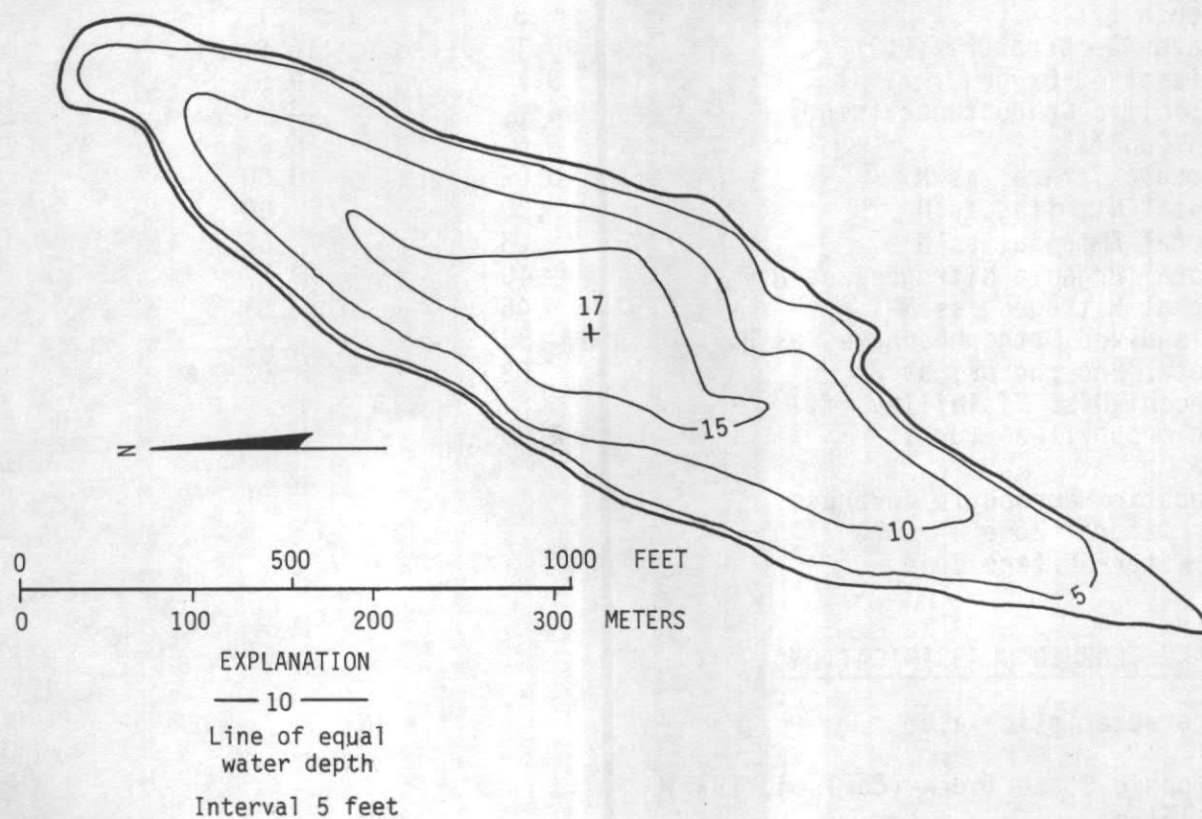
Depth (ft)	3	14
Water Temperature (°C)	17.6	16.8
Dissolved Oxygen	9.2	9.1
Specific Conductance (umho)	15	15
pH (units)	6.5	6.5
Total Nitrate, as N	0.00	0.00
Total Nitrite, as N	.00	.00
Total Ammonia, as N	.06	.06
Total Organic Nitrogen, as N	.67	.47
Total Nitrogen, as N	.73	.53
Dissolved Orthophosphate, as P	.01	.01
Total Phosphorus, as P	.02	.03
Secchi-Disc Visibility (ft)		11
Chlorophyll <u>a</u> (ug/L)	2.22	--
Aquatic Macrophyte Coverage		
Littoral Zone		80 pct
Water-Surface Zone		5 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value 91

Trophic State Index (Carlson, 1977)

TSISD	43
TSITP	47
TSIChl	38



Coon Lake, Mason County. Photo taken June 12, 1981, view northeasterly.
Bathymetric map from U.S. Geological Survey, May 28, 1981.

ISLAND LAKE

MASON COUNTY

WRIA 14

T20N-R03W-06

LATITUDE 47° 14' 44" LONGITUDE 123° 06' 40"

PHYSICAL DATA

Drainage area	0.26 mi ²
Altitude	230 ft
Lake Area	110 acres
Lake Volume	2,200 acre-ft
Mean Depth	21 ft
Maximum Depth	31 ft
Shoreline Length	1.7 mi
Shoreline Configuration	1.2
Development of Volume	0.67
Bottom Slope	1.3 pct
Surface Inflow	No
Surface Outflow	Yes

CULTURAL DATA

Residential Development	100	pct
Number of Nearshore Homes	88	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	35	pct
Agricultural	0	pct
Forest or Unproductive	0	pct
Lake Surface	65	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

Date

June 10, 1981

Depth (ft)	3	21
Water Temperature (°C)	17.1	16.9
Dissolved Oxygen	9.7	9.5
Specific Conductance (umho)	44	44
pH (units)	6.6	6.8
Total Nitrate, as N	0.02	0.00
Total Nitrite, as N	.00	.00
Total Ammonia, as N	.03	.06
Total Organic Nitrogen, as N	.40	.77
Total Nitrogen, as N	.45	.83
Dissolved Orthophosphate, as P	.03	.03
Total Phosphorus, as P	.03	.03
Secchi-Disc Visibility (ft)	13	
Chlorophyll <u>a</u> (ug/L)	2.00	--

Aquatic Macrophyte Coverage

Littoral Zone

10 pct

Water-Surface Zone

<5 pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value

66

Trophic State Index (Carlson, 1977)

TSI_{SD}

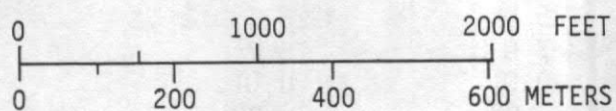
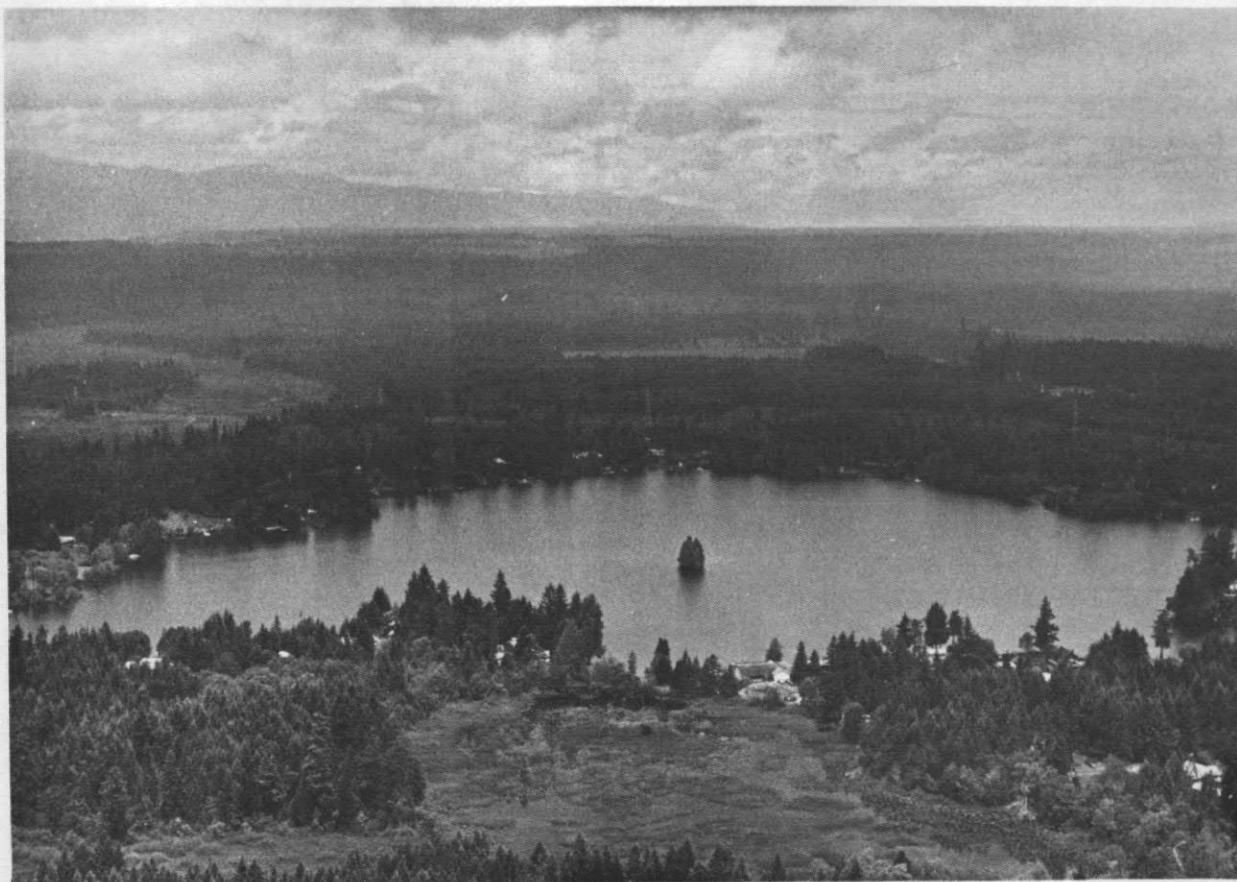
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TSI_{TP}

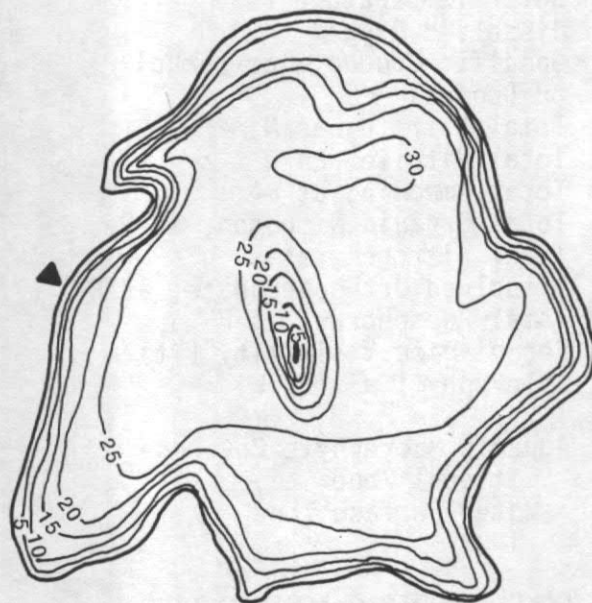
53

TSI_{Chl}

37



EXPLANATION
 — 15 —
 Line of equal
 water depth
 Interval 5 feet



Island Lake, Mason County. Photo taken June 10, 1981.
 Bathymetric map from Washington Department of Game, February 15, 1952.

LOST LAKE

MASON COUNTY

WRIA 14

T19N-R05W-01

LATITUDE 47° 09' 16" LONGITUDE 123° 14' 51"

PHYSICAL DATA

Drainage area	1.08 mi ²
Altitude	480 ft
Lake Area	120 acres
Lake Volume	3,400 acre-ft
Mean Depth	28 ft
Maximum Depth	65 ft
Shoreline Length	3.2 mi
Shoreline Configuration	2.1
Development of Volume	0.42
Bottom Slope	2.5 pct
Surface Inflow	No
Surface Outflow	No

CULTURAL DATA

Residential Development	95	pct
Number of Nearshore Homes	108	
Land Use in Drainage Basin		
Residential-Urban	0	pct
Residential-Suburban	12	pct
Agricultural	0	pct
Forest or Unproductive	70	pct
Lake Surface	18	pct
Public Boat Access to Lake	Yes	

WATER-QUALITY DATA (in milligrams per liter unless otherwise indicated)

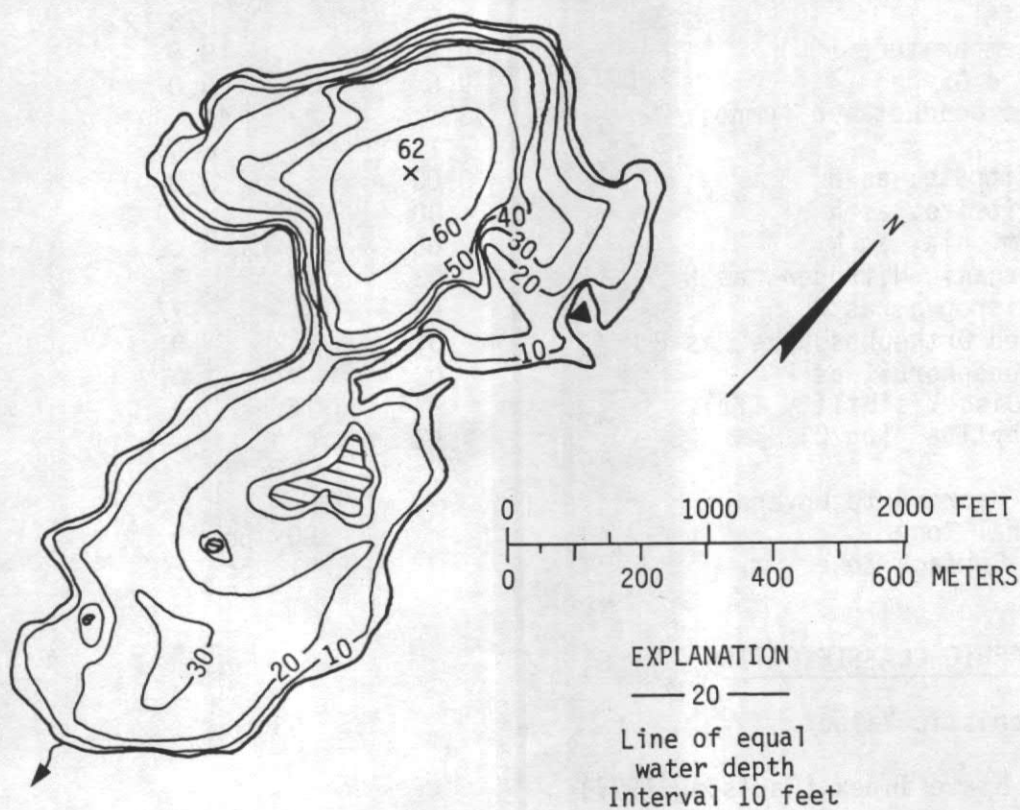
Date

June 24, 1981

Depth (ft)	3	50
Water Temperature (°C)	16.9	7.0
Dissolved Oxygen	10.0	4.3
Specific Conductance (umho)	25	25
pH (units)	7.0	6.2
Total Nitrate, as N	0.01	0.01
Total Nitrite, as N	.00	.00
Total Ammonia, as N	.07	.07
Total Organic Nitrogen, as N	.47	.42
Total Nitrogen, as N	.55	.50
Dissolved Orthophosphate, as P	.01	.01
Total Phosphorus, as P	.01	.01
Secchi-Disc Visibility (ft)	21	
Chlorophyll <u>a</u> (ug/L)	.90	--
Aquatic Macrophyte Coverage		
Littoral Zone	5	pct
Water-Surface Zone	0	pct

LAKE TROPHIC CLASSIFICATION

Characteristic Value	46
Trophic State Index (Carlson, 1977)	
TSI _{SD}	33
TSI _{TP}	37
TSI _{Chl}	30



Lost Lake, Mason County. Photo taken June 24, 1981, view northwesterly.
Bathymetric map from Washington Department of Game, February 12, 1952.